



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, 63D REGIONAL SUPPORT COMMAND
PO BOX 3001
LOS ALAMITOS, CALIFORNIA 90720-1301

AFRC-CCA-EN (200-1)

ENVM-98-59
10 December 1998

MEMORANDUM FOR Facility Manager, ATTN: Mr. Frank Williams
Schroeder Hall U.S. Army Reserve Center
3800 E. Willow Street, Long Beach, CA 90822

SUBJECT: Notification of Asbestos Containing Floor Tile and Mastic Removal at the Kitchen Area of Long Beach U.S. Army Reserve Center, California

1. The 63D Regional Support Command (RSC), Engineers Office is in the process of renovating the kitchen area at the Schroeder Hall U.S. Army Reserve Center, Long Beach, California. Due to this proposed renovation, the floor tile of the kitchen area needs to be removed. Asbestos-containing material (ACM) was not detected in the floor tile but the associated mastic was found to contain 1 – 5% non-friable chrysotile asbestos.

2. The 63D RSC, Engineers Office, Environmental Division has coordinated with the asbestos abatement Contractor for removal and disposal of the non-friable ACM in the kitchen area of the Reserve Center. The abatement work will be performed by the Contractor on Friday, 11 November 1998 and will commence at 0800 hours. The project will be completed in one day consisting of one 8-hour shift. During this project, ensure that no other clean-up activity occurs within the building because air monitoring and sampling is sensitive to any kind of disturbance in the air. All personnel within the building will be notified of the abatement work.

3. The Contractors involved with the project are as follows:
- a. Integrity Environmental Consultants, Inc. (Abatement Monitoring/Sampling work)
 - b. ACandS, Inc. (Asbestos Removal and Disposal work)

Properly trained and certified personnel in accordance with local, state, and federal regulations will perform all work.

4. Should you have any questions regarding the project, please do not hesitate to contact Ms. Shyamala Sundaram, phone: (562) 795-1442 of the 63D RSC Engineers Office, Environmental Division.

KENNETH R. WILHELM
LTC, EN
Regional Engineer

CF:
63D RSC Safety Office (Mr. Pelesasa)



**Closeout Documents
Asbestos Removal Project
Kitchen Area - Administration Building
U. S. Army Reserve Center
3800 East Willow Street
Long Beach, California**

Prepared For

63D Regional Support Command
AFRC-CCA-ENS
Building 7
11200 Lexington Drive
Los Alamitos, California 90720-5002

22981 MILL CREEK DRIVE

SUITE B

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mrahdari@aol.com

December 1998

Prepared and Reviewed by
Integrity Environmental Consultants, Inc.

Massoud Rahdari, President
California-Certified Asbestos Consultant 92-0376
California-Registered Environmental Assessor 04138

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1. FINAL CLEARANCE REPORT

EXECUTIVE SUMMARY

Asbestos-containing material (ACM), consisting of floor tile and mastic, was located in the Administration Building at the U.S. Army Reserve Center, 3800 East Willow Street, Long Beach, California (subject property).

PURPOSE AND SCOPE OF PROJECT

The purpose of this project was to properly remove the specified quantities of ACM from the subject property and properly dispose of the asbestos-containing waste. The scope of services for Integrity Environmental Consultants, Inc. (INTEGRITY), was performed under INTEGRITY's *Agreement and Service Contract* Number 98175, dated November 23, 1998, with 63rd Regional Support Command, AFRC-CCA-ENS (Client). To date, INTEGRITY has completed the scope of services as listed below.

■ Pre-abatement Meeting and Submittal Review

- Conducted a pre-abatement meeting at the job site

■ Abatement Monitoring

- Reviewed the contractor's required pre-entry (to the work area) submittal to ensure that all workers were trained and fit to use respirators
- Performed routine visual observations of the work area and the surrounding areas and documented asbestos abatement activities
- Monitored the abatement progress
- Advised the abatement contractor of any discrepancies noted with regard to work practices or procedures and recommended a corrective action when required
- Conducted a final visual inspection of abated areas
- Collected ambient air samples during the project and final clearance samples prior to the removal of work-area barriers and analyzed samples
- Interacted with the Client and other parties involved in the project for coordination of abatement-related activities

■ Post-abatement Data Collection and Closeout Report

- Presented the required closeout documents including our compiled field documentation and this Executive Summary

The scope of work performed by ACandS (Abatement Contractor) consisted of proper removal of the ACM. The Abatement Contractor properly removed the ACM described below.

- Approximately 260 square feet of off-white vinyl floor tile and mastic in the kitchen room area of the first floor of the Administration Building at the subject property

ASBESTOS ABATEMENT ACTIVITIES

The Abatement Contractor completed the removal of the ACM on December 11, 1998. Abatement activities were performed on a weekday between 8:45 a.m. and 5:30 p.m.

ABATEMENT MONITORING AND DOCUMENTATION

Certified and experienced representatives of INTEGRITY performed the abatement monitoring on this project. All the field monitors were generally State of California-certified asbestos consultants (CAC), as defined in California Code of Regulations, Title 8, Article 2.6. When a State of California-certified site surveillance technician (SST) is assigned a project, he or she will then work under the direct supervision of a CAC. Mr. Rudy Benavidez (SST No. 95-1698) and Mr. Massoud Rahdari (CAC No. 92-0376) monitored the abatement activities when INTEGRITY was present onsite.

Ambient air monitoring was conducted using nonaggressive techniques to measure the levels of airborne fiber concentrations during and after abatement activities. During the abatement activities, ambient air samples were collected during nonconsecutive periods from various locations inside and outside the work area. At the conclusion of the abatement, a visual inspection was performed to ensure that the ACM was adequately abated. Subsequent clearance air sampling using nonaggressive sampling techniques was conducted to ensure that fiber concentrations were below the EPA-suggested clearance level of 0.01 fiber per cubic centimeter in the containments before the area was released to the Client.

INTEGRITY maintained daily logs for the duration of the project. The daily logs include:

- Starting and stopping times for each shift
- Workers' submittal checklist updates
- Notations concerning visual observation of the work area barriers and the integrity of the work area barriers, including quality control of engineering methods and recommendations for corrective measures as required
- Ambient air sampling data entries and review of the analysis reports
- Visitors log for the site
- Notations concerning all relevant work activities, approximate amount of ACM cleanup
- Incidents, problems, infractions, and operational occurrences of relevance

INTEGRITY performed a compliance review of submittals received for workers present on site and retained the submittals. INTEGRITY's database was amended to include compliance records for all workers present on site as documented in the daily sign-in sheets. Data for workers onsite for this project are included in tabular form in this section.

ASBESTOS SAMPLING AND ANALYTICAL PROCEDURES

Ten air samples were collected for this project. Air samples were collected in accordance with the National Institute of Occupational Safety and Health, Analytical Method 7400 (NIOSH-7400). The pumps were calibrated before and after sampling using a utility rotameter, which had been previously calibrated with a primary standard (bubble burette). Twenty-five millimeter cassettes with 2-inch extension cowl containing 0.8-micron pore sized mixed cellulose ester membrane were used for the collection of all air samples. The cassettes were attached to the pumps using tygon tubing.

Air samples were analyzed using phase contrast microscopy (PCM) in accordance with the NIOSH-7400, "A" counting rule. The samples were analyzed onsite to expedite the abatement work in progress. Based on the sample analysis by PCM, fiber concentration levels during this project remained below the Permissible Exposure Limit of 0.1 fiber/cubic centimeter (f/cc), as defined by Occupational Safety and Health Administration. Based on the sample analyses at the conclusion of abatement at each work area, the fiber concentrations inside each work area remained at or below 0.01 f/cc prior to removal of the work area barriers.

In addition, for quality assurance and quality control purposes, final clearance samples were sent to an accredited laboratory for reanalysis. Results of quality assurance and quality control sample analysis are maintained in INTEGRITY's files.

Air samples are retained at INTEGRITY's offices for a period of 30 days, after which time, the samples are properly disposed.

INACCESSIBLE AREAS

All specified ACM was accessible for removal by the Abatement Contractor.

GENERATED WASTE DISPOSAL

The waste generated during this abatement consisted of non-friable asbestos-containing waste material, which should be treated as non-hazardous waste material. According to information supplied by the Abatement Contractor, waste was transported by the Abatement Contractor to the Azusa Land Reclamation Company in Azusa, California. Waste manifests and the landfill weighmaster ticket will be submitted to the Client by the Abatement Contractor and should be filed in Section 9 of the closeout documents.

CONCLUSIONS AND RECOMMENDATIONS

In the professional opinion of INTEGRITY, the abatement activities were conducted in a controlled manner, and the Abatement Contractor maintained the integrity of the work area parameters. Fiber concentration levels remained at acceptable levels throughout the project. The specified ACM waste was properly removed from the site. The clearance ambient air samples did not exceed United States Environmental Protection Agency-recommended clearance levels. Based on INTEGRITY'S observations, the Abatement Contractor satisfied the applicable federal regulations, state rules, local ordinances, and accepted industry work practices. INTEGRITY has reviewed and compiled only the submittals received prior to, during, and at the conclusion of abatement activities. We understand that the remainder of the submittals will be directly forwarded to the Client by the Abatement Contractor.

ASBESTOS AMBIENT AIR MONITORING SUMMARY
KITCHEN AREA - ADMINISTRATION BUILDING
U.S. ARMY RESERVE CENTER
3800 EAST WILLOW STREET
LONG BEACH, CALIFORNIA

SAMPLE NUMBER	DATE COLLECTED	SAMPLE TYPE	SAMPLE LOCATION	VOLUME (liter)	RESULTS* (fb/cc)	CLEARANCE CRITERIA
01	12/11/98	PREP	IWA - kitchen	770	0.003	0.01
02	12/11/98	PREP	IWA - kitchen	740	0.003	0.01
03	12/11/98	REM	OWA - DCN (outside entry)	1,150	0.002	0.01
04	12/11/98	REM	OWA - DCN (inside)	1,120	0.003	0.01
05	12/11/98	REM	OWA - EXH	456	0.002	0.01
06	12/11/98	FC	IWA - kitchen	1,524	0.001	0.01
07	12/11/98	FC	IWA - kitchen	1,476	0.001	0.01
08	12/11/98	FC	IWA - kitchen	1,500	0.001	0.01
09	12/11/98	FB	-	-	-	0.01
10	12/11/98	LB	-	-	-	0.01
Legend:						
DCN	Decon					
EXH	Exhaust					
fb/cc	Fibers per cubic centimeter					
FB	Field blank					
FC	Final clearance sample					
IWA	Inside work area					
LB	Laboratory blank					
OWA	Outside work area					
ND	None detected					
PREP	Preparation					
REM	Removal					
*	Samples are collected and analyzed in accordance with NIOSH 7400 Method, Rev. 3, "A" Counting Rule					

WORKERS COMPLIANCE RECORD CHECKLIST
KITCHEN AREA - ADMINISTRATION BUILDING
U.S. ARMY RESERVE CENTER
3800 EAST WILLOW STREET
LONG BEACH, CALIFORNIA

LAST NAME	FIRST NAME	SOCIAL SECURITY NO	TRAINING EXPIRES	MEDICAL EXPIRES	FIT TEST EXPIRES
Herrera	Oscar	623-48-1341	9/3/99	7/11/99	5/19/99
Perez	Martin	570-39-3445	12/12/98	4/13/99	12/27/98

2. CERTIFICATE OF COMPLETION

CERTIFICATE OF COMPLETION
ASBESTOS ABATEMENT PROJECT

PROJECT: Asbestos Abatement Monitoring
Kitchen Area - Administration Building
U.S. Army Reserve Center
Long Beach, California

SCOPE OF WORK: Removal of all asbestos-containing materials as outlined in the scope of work transmitted to Integrity Environmental Consultants, Inc. on November 20, 1998 by 63D Regional Support Command and included approximately 260 square feet of vinyl floor tiles and mastic

OWNER: 63D Regional Support Command
AFRC-CCA-ENS, Building 7
1200 Lexington Drive
Los Alamitos, California 90720-5002

CONSULTANT: Integrity Environmental Consultants, Inc.

CONTRACTOR: AC and S

PROJ. DURATION: December 11, 1998

1. This is to certify that we have supervised proper removal and disposal of all the above-referenced asbestos-containing building materials.
2. That throughout the work all applicable regulations and requirements of the owner specifications were observed.
3. That any person who entered the designated work area was protected with the required full-body disposable clothing and adequate respiratory protection. All workers followed the prescribed entry/exit procedures as well as the proper operating procedures throughout their presence in the work areas.
4. That all employees of **AC and S**, engaged in this work, were trained in respiratory protection and experienced with asbestos abatement work. These workers had complete medical records authorizing them to work in respirators and were not exposed at any period of work without the benefit of adequate respiratory protection.
5. That conditions inside the work area were always safe, and that the maximum asbestos fiber count outside the work areas did not exceed 0.01 fiber per cubic centimeter (f/cc) of ambient air.
6. That **Integrity Environmental Consultants, Inc.** performed final inspection, air sampling, and testing recommended by applicable regulations. The work performed by **AC and S** was found satisfactory, and final clearance air sample analyses indicated particulate concentrations within acceptable levels of 0.01 f/cc.

AC and S:

Project Competent Person:
Name: ROBERT F. CORES Signature: [Signature] Date: 12-15-98

Principal In Charge:
Name: Albert J. GAMA Signature: [Signature] Date: 12-15-98

Integrity Environmental Consultants, Inc.

Principal In Charge:

Name: Massoud Rahdari Signature: [Signature] Date: 12/11/98
CAC#92-0376/REA#04138

CERTIFICATE OF COMPLETION
ASBESTOS ABATEMENT PROJECT

PROJECT: Asbestos Abatement Monitoring
Kitchen Area - Administration Building
U.S. Army Reserve Center
Long Beach, California

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AC and S:

Project Competent Person:

Name: _____ Signature: _____ Date: _____

Principal In Charge:

Name: _____ Signature: _____ Date: _____

Integrity Environmental Consultants, Inc.

Principal In Charge:

Name: Massoud Rahdari
CAC#92-0376/REA#04138

Signature: Massoud Rahdari Date: 12/11/98

3. BUILDING SURVEY REPORTS

4. PROJECT SPECIFICATIONS

COST ESTIMATE FOR ASBESTOS ABATEMENT AND REMOVAL

SCOPE OF WORK

Subject: Asbestos Abatement at Long Beach U.S. Army Reserve Center, Long Beach, California

Description of Work:

Conduct an asbestos abatement for removal of 12-inch by 12-inch white mottled floor tile and associated mastic at the kitchen room/area of Long Beach U.S. Army Reserve (USAR) Center, California. The Center is located at 3800 E. Willow Street, Long Beach, California. The area for abatement to be performed is approximately 260 sq. ft. in area. The floor plan/layout of the building is attached as Enclosure-1. The USAR building is currently occupied and there are full-time administrative personnel working in the building.

Asbestos containing material (ACM) was identified in a comprehensive survey conducted in 1996. An asbestos sampling and analyses had been performed for the floor tile and associated mastic by an accredited laboratory. Analytical results indicate that this material contains a trace amount of chrysotile asbestos as a composite sample. Asbestos was not detected in the floor tile and the mastic contains 1-5% chrysotile asbestos in the kitchen area. The material is non-friable.

Air monitoring of the area needs to be performed as part of the asbestos abatement work to ensure clearance on the project after completion. Air samples prior to the start of abatement and during the project shall be collected. Final air clearance sampling and analyses shall be performed prior to the removal of work area barriers.

General:

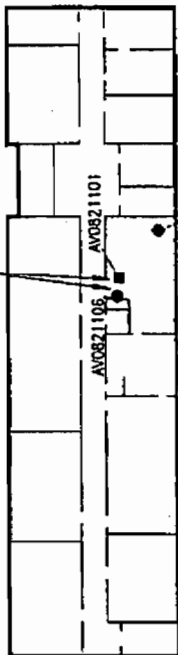
All work shall be performed by a State of California licensed contractor and in accordance with federal, state, and local laws and regulations. The scope of the project involves proper removal and disposal of non-friable ACM as defined by South Coast Air Quality Management District (SCAQMD) Rule 1403 – Asbestos Emission from Demolition/Renovation Activities.

Report:

Prepare a brief closure report with description and attach copies of air monitoring results and manifest forms for disposal. One (1) copy of the report shall be submitted to the 63D RSC, Engineers Office, Environmental Division.

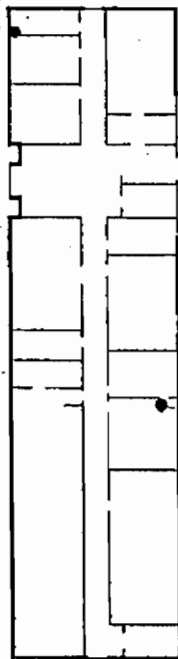
If you need any additional information, please contact Ms. Shyamala Sundaram at Phone: (562) 795-1442, Fax: (562) 795-1499.

Transite ducts on roof



ADMINISTRATION BUILDING -
SECOND FLOOR

AV0821105



ADMINISTRATION BUILDING -
FIRST FLOOR

APPROXIMATE

Scale 0 50 100 feet

EXPLANATION

- Bulk sample location
- Roof sample location

OPERATIONS
MAINTENANCE
SHOP

Not to scale

ASBESTOS SURVEY -
ADMINISTRATION BUILDING AND
OPERATIONS MAINTENANCE SHOP
U.S. Army Reserve Center
Long Beach, California

APPROVED

DATE
1/96

5. PROPOSALS AND CONTRACTS

INTEGRITY

ENVIRONMENTAL CONSULTANTS, INC.

November 23, 1998

Ms. Shyamala Sundaram
63D Regional Support Command
AFRC-CCA-ENS, Building 7
11200 Lexington Drive
Los Alamitos, California 90720-5002

Asbestos Abatement Monitoring
Kitchen Area - Administration Building
U.S. Army Reserve Center
Long Beach, California

AGREEMENT

Integrity Environmental Consultants, Inc., agrees to perform the scope of services as described in the enclosed Service Contract Number 98175. U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS authorizes Integrity Environmental Consultants, Inc., to proceed with the scope of services as described in the enclosed Service Contract Number 98175. U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS accepts Integrity Environmental Consultants, Inc., proposed estimated fee as well as the unit prices, terms, and conditions (General Conditions - Form A) enclosed with this document. Please sign below and return a copy of this Agreement to Integrity Environmental Consultants, Inc. When signed by both parties, this Agreement and its enclosures will constitute the contractual agreement for the described services.

Integrity Environmental Consultants, Inc.

22981 MILL CREEK DRIVE

M. Massoud Rahdari
Massoud Rahdari, President

11/23/98
Date

SUITE B

U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS

LAGUNA HILLS, CA 92653

K. T. Jackson, BMO

Name and title of an individual who can authorize work on behalf of U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS

TEL. (949) 586-1414

[Signature]
Signature

12-2-98
Date

FAX. (949) 586-5922

Enclosures: Service Contract
General Conditions - Form A
Schedule of Fees

E-MAIL: Mrahdari@aol.com

SERVICE CONTRACT
Number 98175

SCOPE OF SERVICES

INTEGRITY will provide the services listed below.

Task I - Pre-abatement Meeting: Will conduct a pre-abatement meeting at the job site.

Task II - Abatement Monitoring: Will perform routine visual observation of work areas and their surroundings and document asbestos abatement activities; monitor the abatement progress; advise the abatement contractor of any discrepancy noted with regard to work practices and procedures and recommend a corrective action, when required; conduct final visual inspection of abated areas, and if satisfactory and applicable, grant the application of an approved encapsulant; collect ambient air samples prior to the start of abatement and during the project; perform final air clearance sampling and analyses prior to the removal of work area barriers; collect and review the contractor's required pre-entry (to a work area) submittal to ensure that all workers are trained and fit to use respirators; and interact with the client and the contractor to coordinate the abatement-related activities.

Task III - Post-abatement Data Collection and Close-out Report: Will compile all data collected throughout the course of this asbestos abatement project and present a closure package that will include all data and a final clearance report.

Ambient air samples, collected during asbestos abatement, will be analyzed using phase contrast microscopy in accordance with National Institute of Safety and Health, 7400 Method.

SCHEDULE

INTEGRITY is prepared to begin the above-described services upon receipt of this signed Agreement or a written notice to proceed referencing this Agreement. The schedule, listed below, is provided to meet the requirements for this project:

Task I - INTEGRITY's field technician will attend one brief onsite preconstruction meeting, which will be held immediately prior to the start of work on the first day of scheduled abatement activities.

Task II - Will be completed within one (1) work shift, to be performed during normal working hours on a weekday, as specified. Each work shift includes project management and eight (8) hours of field monitoring, documentation, and collection and analysis using phase contrast microscopy of up to six (6) air samples.

Task III - Will be completed within ten working days from the date the project is completed.

FEES AND PAYMENT

INTEGRITY will provide the above-described services for a not-to-exceed fee of \$950.

This fee is based on the rates specified in the enclosed Schedule of Fees.

Out-of-scope services, which may be requested by the client, will be billed in accordance with the enclosed Schedule of Fees. INTEGRITY will obtain written authorization to proceed prior to performing any out-of scope services. Upon delivery of the closeout report, INTEGRITY will submit an invoice. Payment will be required within thirty (30) days from the date on this invoice. Payments received later than 30 days from the invoice date will be subject to a finance charge as specified in the enclosed General Conditions, Form A.



November 23, 1998

Ms. Shyamala Sundaram
63D Regional Support Command,
AFRC-CCA-ENS, Building 7
11200 Lexington Drive
Los Alamitos, California 90720-5002

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Integrity Environmental Consultants, Inc.

22981 MILL CREEK DRIVE


Massoud Rahdari, President

11/23/98
Date

SUITE B

U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS

LAGUNA HILLS, CA 92653

Name and title of an individual who can authorize work on behalf of U.S. Army Reserve, 63rd Regional Support Command, AFRC-CCA-ENS

TEL. (949) 586-1414

Signature

Date

FAX. (949) 586-5922

Enclosures: Service Contract
General Conditions - Form A
Schedule of Fees

E-MAIL: Mrahdari@aol.com

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F:\bizdata\msword\miscell\98\proposals\98175



Printed on Recycled Paper

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SCHEDULE OF FEES
Integrity Environmental Consultants, Inc.
Asbestos and Lead Consulting Services
For 63D Regional Support Command
AFRC-CCA-ENS
Effective May 1, 1998

Item Number	Description	Unit Price*
001	Project Manager – CAC, REA	\$65 per hour
002	Field Monitor – CAC	\$50 per hour
003	Field Monitor – SST	\$45 per hour
004	Certified Lead Inspector/Risk Assessor	\$55 per hour
001A	Travel Time – Project Manager	\$65 per hour
002A	Travel Time – Field Monitor – CAC	\$50 per hour
003A	Travel Time – Field Monitor – SST	\$45 per hour
004A	Travel Time – Certified Lead Inspector/Risk Assessor	\$55 per hour
005	Technical Editor	\$40 per hour
006	Mileage	\$0.315 per mile
007	Laboratory Fees	Cost plus 15%
009	Administrative Fee	5% of subtotal

* Prices are subject to change without prior notice

GENERAL CONDITIONS - FORM A

1.0 BILLING

- 1.1 Invoices issued by Integrity Environmental Consultants, Inc. are payable upon receipt, unless otherwise agreed.
- 1.2 Interest of 1 1/2% per month (but not exceeding the maximum rate allowable by law) will be payable on any amounts not paid within 30 days, payments therefore to be applied first to accrued interest and then to the principal unpaid amount. Any attorney's fees or other costs incurred in collecting any delinquent amount shall be paid by the Client.
- 1.3 A credit of 1 1/2% will be applied on the subsequent invoice, when the current invoice is paid in full within 15 days of the issuance.
- 1.4 In the event that the Client requests termination of the work prior to completion of a report, Integrity Environmental Consultants, Inc. reserves the right to complete such analyses and records as necessary to place its files in order and, where considered by it necessary to protect its professional reputation, to complete a report on the work performed to date. A termination charge to cover the cost thereof in an amount not to exceed 30% of all charges incurred up to the date of the stoppage of work may, at the discretion of Integrity Environmental Consultants, Inc., be made.

2.0 WARRANTY AND LIABILITY

- 2.1 Integrity Environmental Consultants, Inc. warrants that its services are performed, within the limits prescribed by its Clients, with the usual thoroughness and competence of the consulting profession, in accordance with the standard for professional services at the time those services are rendered. No other warranty or representation, either expressed or implied, is included or intended in its proposals, contracts, or reports.
- 2.2 Integrity Environmental Consultants, Inc.' liability shall be limited to injury or loss caused by the negligence of Integrity Environmental Consultants, Inc., its subcontractors, and/or agents hereunder. Integrity Environmental Consultants, Inc. has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substance or condition at the site, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by exposure to such substances or conditions.
- 2.3 Integrity Environmental Consultants, Inc.'s liability for injury or loss arising from (1) professional errors or omissions and/or (2) radiation, nuclear reaction, or radioactive substances or conditions; and (3) any other toxic, irritant, pollutant, or waste gases, liquids, or solid materials shall not exceed \$1,000,000.
- 2.4 Integrity Environmental Consultants, Inc.'s comprehensive general and automobile liability shall not exceed \$500,000.
- 2.5 Increased liability limits may be negotiated upon Client's written request, prior to commencement of services, and agreement to pay an additional fee.
- 2.6 The Client agrees to defend, indemnify, and hold Integrity Environmental Consultants, Inc. harmless from any claim, liability, or defend cost in excess of the limits determined above for any injury or loss sustained by any party from exposure allegedly caused by Integrity Environmental Consultants, Inc.' performance of services hereunder.
- 2.7 In the event the Client makes a claim against Integrity Environmental Consultants, Inc., at law or otherwise, for any alleged error, omission or other act arising out of the performance of its professional services, and to the extent the Client's fails to prove such claim, then the Client shall pay all costs, including attorney's fees, incurred by Integrity Environmental Consultants, Inc. in defending itself against the claim.



2340 E. ARTESIA BLVD • LONG BEACH, CA 90805-1740 • TEL: (562) 422-7370 • FAX: (562) 422-8703

To: **Integrity Environmental Consultants**
22981 Millcreek Drive Suite B
Laguna Hills, California 92653

Attn: Mr. Massoud Rahdari, C.A.C., R.E.A.

Subject: Asbestos Abatement Proposal
U.S. Army Reserve Center
Long Beach, California
ACANDS Inc. Prop. # 1198-29

November 23, 1998

Dear Mr. Rahdari,

ACANDS Inc. proposes to provide all labor, materials, and equipment to accomplish the following scope of work at the above subject location.

SCOPE OF WORK:

Remove and dispose of approx.... 260 S.F. of asbestos containing vinyl asbestos floor tile and associated adhesive mastic.

SPECIFICATIONS:

Negative Air Filtration
Critical Barriers
Splash Guards
2 Stage Airlock
Chemical Removal of adhesive mastics.
Portable charcoal air filtering units to be utilized.

CLARIFICATIONS:

Customer to provide needed electrical and water needed for abatement purposes
Landfill will be Azusa Land Reclamation Co. site.
ACANDS Inc. to act as Transporter # 1.
Area and Clearance Air Monitoring to be conducted by others, at no cost to ACANDS Inc.
Price is based on Phase Contrast Microscopy Air Monitoring, to be read on site.
All waste to be disposed of as non friable asbestos containing waste.
Price does not include Cove Base mastic.

Cont.

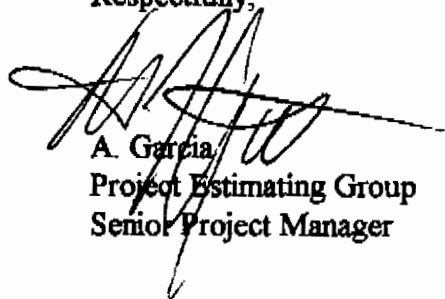
Page 2 - Proposal Cont.

SCHEDULE: 1 WORKING SHIFT

TOTAL COST OF CONTRACT: \$ 910.00

ACANDS Inc. thanks you for the opportunity to provide you with this proposal. If you have any questions please feel free to contact me at your convenience.

Respectfully,



A. Garcia
Project Estimating Group
Senior Project Manager

6. MISCELLANEOUS CORRESPONDENCE

**VIA FACSIMILE**

To	Ms. Shyamala Sundaram	From	Pam Gatts
Company	63D Regional Support Command	Date	November 23, 1998
Fax No.	562-795-1499	Pages	10 (Including this page)
Subject	Abatement Project Administrative Building U.S. Army Reserve Center Long Beach, California		

Following is Integrity Environmental Consultants, Inc.'s Agreement and Service Contract to perform abatement monitoring at the above-referenced project.

Also following is a sample Executive Summary and tables from a typical air-monitoring project we performed for the City of Los Angeles.

The abatement contractor's bid for asbestos removal and disposal, as well as the MSDS for mastic remover, will be forwarded to you upon receipt.

If you have any questions, please call.

22981 MILL CREEK DRIVE

SUITE B

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mirahdari@aol.com

-
- ☐ The original will be mailed
☒ The original will not be mailed
-



FAXED
11/23/98

VIA FACSIMILE

To Al Garcia
Company A C & S
Fax No. 562-422-8703
Subject Request for Bid

From Massoud Rahdari
Date November 23, 1998
Pages 3 (Including this page)

Would you please send us a bid for asbestos removal and disposal fees as per the requirements of the attached scope of work (do not include air-monitoring fee)? The project will be completed within one 8-hour shift.

Please send the bid to Integrity Environmental Consultants, Inc. via facsimile by 2:00 p.m. today.

Would you please also fax us a copy of the MSDS for the chemical to be used for mastic removal?

Thank you.

-
- ☐ The original will be mailed
☒ The original will not be mailed
-

22981 MILL CREEK DRIVE

SUITE B

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mrahdari@aol.com



Printed on Recycled Paper



FAXED
11/23/98
2:45 p.m.

VIA FACSIMILE

To	Ms. Shyamala Sundaram	From	Pam Gatts
Company	63D Regional Support Command	Date	November 23, 1998
Fax No.	562-795-1499	Pages	8 (Including this page)
Subject	A C and S Bid Asbestos Abatement Administrative Building U.S. Army Reserve Center Long Beach, California		

Following is AC and S' bid to remove and dispose of asbestos-containing floor tile and mastic at the above-referenced subject property.

Also following is the MSDS for the mastic remover.

If you have any questions, please call.

-
- ☐ The original will be mailed
☒ The original will not be mailed
-

22981 MILL CREEK DRIVE

SUITE B

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mrahdari@aol.com



Printed on Recycled Paper

**FXED**
12/11/98**VIA FACSIMILE**

To	Shyamala Sundarum	From	Massoud Rahdari
Company	63D Regional Support Command	Date	12/11/98
Fax No.	562-795-1499	Pages	2 (Including this page)
Subject	Asbestos abatement Administration Building Long Beach, CA		

Following please find a copy of the project certificate of completion that is executed by Integrity Environmental Consultants. The original will be mailed to AC and S for their signatures. Upon the execution of this document, AC and S will directly mail the certificate to you along with their project submittal.

cc: Albert Garcia – AC and S

-
- ☒ The original will be mailed
☐ The original will not be mailed
-

22981 MILL CREEK DRIVE

SUITE B

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mrahdari@aol.com



Printed on Recycled Paper

F:\bizdata\unsword\templates\letterhead\fax cover

TRANSMITTAL

December 15, 1998

Ms. Shyamala Sundaram
63D Regional Support Command
AFRC-CCA-ENS, Building 7
11200 Lexington Drive
Los Alamitos, California 90720-5002

**Closeout Documents
Asbestos Removal Project
Kitchen Area – Administrative Building
U. S. Army Reserve Center
3800 East Willow Street
Long Beach, California**

Enclosed are the original and one copy of Integrity Environmental Consultants, Inc.'s closeout documents for the above-referenced project. Also enclosed two copies of our invoice for this project.

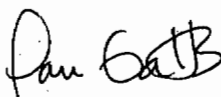
The original and one copy of the invoice have been mailed to AC and S for payment as per our agreement.

The abatement contractor:

- ☒ Has submitted worker's documentation for our review. The documentation is included in Section 8 of the closeout documents.
- ☐ Has submitted worker's documentation for our review. The documentation was reviewed on site and returned to the abatement contractor
- ☐ Has not submitted worker's documentation to Integrity Environmental Consultants, Inc. The abatement contractor will submit documentation directly to you.

If you have any questions, please call.

Cordially,
Integrity Environmental Consultants, Inc.


Pamela Gatts, Office Administrator
Enclosures

cc: AC and S

F:\bizdata\msword\templates\letterhead\transmittal to city rev. /6/18/98

22981 MILL CREEK DRIVE

SUITE 8

LAGUNA HILLS, CA 92653

TEL. (949) 586-1414

FAX. (949) 586-5922

E-MAIL: Mrahdari@aol.com

7. FIELD DATA FOR AIR MONITORING SERVICE

MAN ✓

FIELD OBSERVATIONS LOG

CLIENT REMSA, INC.

DATE 12/11/98

PROJECT NAME LONG BEACH ARMY RESERVE

PROJECT NO. 9610-006

PROJECT ADDRESS WILLOW ST. LONG BEACH CA

TIME	OBSERVATIONS
(08:45)	INTEGRITY REP. RUDY BENAVIDEZ ARRIVED ON JOBSITE ALSO ONSITE AC AND S, ABATEMENT CONTRACTOR WITH CREW OF (2) MEN INCLUDING SUPERVISOR MARTIN PEREZ. AC AND S AND I WENT OVER TODAY'S SCOPE OF WORK: 1) ABATEMENT OF 260 SQFT OF (KITCHEN AREA) FLOOR TILE (12x12) AND BLACK MASTIC
(09:00)	AC AND S COMMENCED PREP WORK INSIDE KITCHEN
(10:00)	AC AND S COMPLETE PREP OF WORK AREA AND REQUEST PRE-ABATEMENT INSPECTION
(10:15)	INTEGRITY REP. OBSERVATION OF WORK AREA FOUND SATISFACTORY
(10:20)	REMSA, INC. REP. SHYAMALA SUNDARAM ARRIVED ONSITE ALONG W/ TWO OF REMSA'S SAFETY ENGINEERS. I THEN ENTERED WORK AREA ALONG WITH REMSA'S REPRESENTATIVES TO INSPECT PREP WORK
(10:30)	AC AND S BEGAN DONNING PROTECTIVE GEAR 1/2 FACE - RESP., TYVEK SUIT, BEING GIVEN GREEN LIGHT ALL ENGINEERING CONTROLS IN PLACE AC AND S WAS ALLOWED TO INITIATE ABATEMENT.
11:00	REMSA'S REPS AFTER SPEAKING W/ FACILITY ENGINEER WERE OFF JOBSITE.
(12:00)	AC AND S FLOOR TILE AND MASTIC ABATEMENT IN PROGRESS.
(13:00)	REMOVAL CONTINUES (1) WORKER INSIDE W.A.
(13:30)	AC AND S COMPLETED BAGGING FLOOR TILE AND COMMENCED MASTIC REMOVAL UTILIZING FLOOR BUFFER W/ SOLVENT.
(14:00)	AC AND S REQUEST PRE CLEARANCE INSPECTION
(14:15)	INTEGRITY REP. FOUND KITCHEN FLOOR SATISFACTORY
PROJECT MONITOR <u>RUDY BENAVIDEZ</u> CERTIFICATION NO. <u>95-1698</u> PG. <u>1</u> OF <u>2</u>	

ASBESTOS AIR MONITORING DATA SHEET

CLIENT Remsa, Inc. DATE 12/11/98
 PROJECT NAME Long Beach Army Reserve PROJECT NO 9610-006
 PROJECT ADDRESS Willow St. Long Beach, CA

SAMPLE ID NUMBER	SAMPLE LOCATION	STAGE OF ABATEMENT	INITIAL FLOW RATE (LIT/MIN)	TIME ON TIME OFF	TOTAL MINUTES (MIN)	TOTAL VOLUME (LIT)	FIBERS FIELDS	FIBER CONCENTRATION (F/CC)
01	IWA KITCHEN	PREP	10.0 / 10.0	9:00 / 10:17	77	770	5/100	0.0031
02	IWA KITCHEN	PREP	10.0 / 10.0	9:02 / 10:16	74	740	9/100	0.003
03	OWA BACKGARD	REM	5.0 / 5.0	10:15 / 14:05	230	1150	9/100	0.002
04	OWA OUTSIDE DRAGON ENTRY	REM	5.0 / 5.0	10:18 / 14:02	224	1120	7/100	0.0030
05	OWA INSIDE DECON (EXHA)	REM	8.0 / 2.0	10:22 / 14:40	228	456	2/100	0.0021
06	IWA INSIDE DECON AIR FAN	F.C.	12.0 / 12.0	14:15 / 16:22	127	1524	2/100	0.001
07	IWA FINAL AIR CLEARANCE	F.C.	12.0 / 12.0	14:17 / 16:20	123	1476	4/100	0.0013
08	IWA FINAL AIR CLEARANCE	F.C.	12.0 / 12.0	14:20 / 16:25	125	1500	3/100	0.001
09	FIELD BLANK	F.B.					0/100	—
10	LAB BLANK	L.B.					0/100	—

LEGEND - STAGE OF ABATEMENT				LEGEND - SAMPLE LOCATION			
BL BASELINE	FC	FINAL CLEARANCE	P	DCN DECON	OB	OWA	OUTSIDE BUILDING
EX EXCURSION	IC	INITIAL CLEARANCE	PREP	EXH AFD EXHAUST			OUTSIDE WORK AREA
FB FIELD BLANK	LB	LABORATORY BLANK	QC REM	IWA INSIDE WORK AREA			
			QUALITY CONTROL REMOVAL				

RELINQUISHED BY Ray Benafield RECEIVED BY _____
 DATE 12/15/98 DATE _____
 TIME _____ TIME _____

CLIENT	REMSA INC.	DATE	12-11-98
PROJECT NAME	ARMY RESERVE	PROJECT NO.	9610-006
PROJECT ADDRESS	LONG BEACH		

[illegible]



State of California
California Environmental Protection Agency
Office of Environmental Health Hazard Assessment

Massoud Rahdari

has fulfilled the requirements for registration as a
Registered Environmental Assessor I (REA I).

Date Registered: *June 1992*

Joan E. Denton, Ph.D.
Joan E. Denton, Ph.D.
Director
Office of Environmental Health Hazard Assessment

REA - Class I Number: *04138*

Peter M. Rooney
Peter M. Rooney
Secretary for Environmental Protection
California Environmental Protection Agency

DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
ASBESTOS CONSULTANT CERTIFICATION UNIT

2211 Park Towne Circle, Suite 1

Sacramento, CA 95825

(916) 574-2993 FAX (916) 483-0572

207060376C

13 47



August 11, 1998

Massoud Rahdari

24863 Lakefield Street

Lake Forest

CA 92630

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, please abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card.

Please hold and do not send copies of your required AHERA refresher renewal certificates to the Division until you apply for renewal of your certification.

Please inform the Division of any changes in your mailing address or work address within 15 days.

Sincerely,

Rick Axe, CIH
Senior Industrial Hygienist

RA/dor

Attachment

cc: File

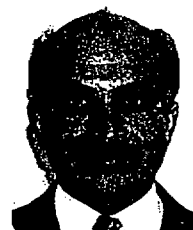
State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Massoud Rahdari

Name

Certification No. **92-0376**Expires on **8/31/99**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
ASBESTOS CONSULTANT CERTIFICATION UNIT

2211 Park Towne Circle, Suite 1
Sacramento, CA 95825
(916) 574-2993 FAX (916) 483-0572



504211698T 107 112
Rudy Benavidez
Integrity Environmental Consultants, Inc.
22981 Mill Creek Drive, Suite B
Laguna Hills, CA 92653

August 13, 1998

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, please abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card.

Please hold and do not send copies of your required AHERA refresher renewal certificates to the Division until you apply for renewal of your certification.

Please inform the Division of any changes in your mailing address or work address within 15 days.

Sincerely,

Rick Axe, CIH
Senior Industrial Hygienist

RA/dor

Attachment

cc: File

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Rudy R. Benavidez

Name

Certification No. **95-1698**

Expires on **8/29/99**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



8. ABATEMENT CONTRACTOR SUBMITTAL

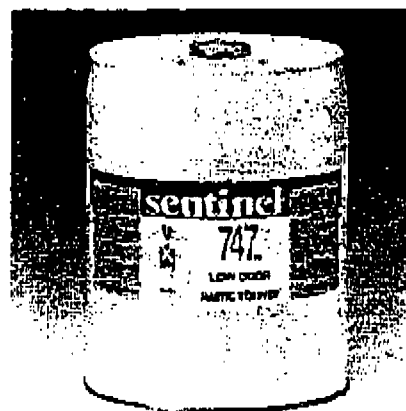
sentinel.

TECHNICAL LITERATURE

747TM

LOW ODOR MASTIC REMOVER

- 100% organic - contains no hazardous citrus or chlorinated solvents.
- Noncaustic - Noncorrosive
- Over 140° Flash Point
- Economical



WORK PROCEDURE

FIVE BASIC STEPS FOR REMOVING ASPHALT CUTBACK FLOORING ADHESIVES

- | | |
|---------------------|--|
| Apply Product | Pour Sentinel 747 directly on a section of adhesive to be removed. Be sure to apply enough product so that during agitation you are working with a liquid that has the appearance of motor oil. |
| Agitate | It will not be necessary to allow the product to soak. Immediate agitation with floor scrubbers and brooms will accelerate the removal process and conserve product, time and effort. |
| Squeegee or Scrape | To conserve on product, use a floor squeegee to push liquefied mastic onto next section and repeat above procedures on all remaining sections. |
| Pick-up and Dispose | Using an absorbent or wet vac, pick up liquefied material and dispose of according to Federal, State, County and Local regulations. |
| Final Rinse | Pressure washers used in conjunction with wet vacs ensure a clean surface. Mop rinse with water and detergent where a pressure washer cannot be used. Once dry, concrete should be ready for flooring. |

SPECIFICATIONS

APPEARANCE BLUE
 ODOR MILD
 APPROX. BOILING POINT 370-518 DEGREES F.
 SPECIFIC GRAVITY (TEMP) (60 DEGREES F.) .806
 VAPOR DENSITY (AIR = 1) HEAVIER THAN AIR
 PH NEUTRAL
 FLASH POINT 141 DEGREES F. TOC
 DOT SHIPPING NAME CLEANING COMPOUND N.O.S.
 DOT HAZARDOUS CLASS CLASS 55
 DOT SHIPPING WEIGHTS 5 GAL. PAIL 38 LBS.
 DOT SHIPPING WEIGHTS 55 GAL. DRUM 410 LBS.

- Have Material Safety Data Sheet available when using.
- For best results, use all chemicals at room temperature.
- Refer to Sentinel's "General Guidelines for Chemical Removal of Flooring Adhesives" for additional procedures and recommendations.

DISTRIBUTED BY



sentinel.

Chemical Company, Inc.

7714 Beech St. N.E.
 Minneapolis, MN 55432
 (MN): (612) 571-0630
 CALL: 1-800-373-0633

ORIGINAL

MATERIAL SAFETY DATA SHEET

SENTINEL CHEMICAL COMPANY, INC.

7714 BEECH STREET, N.E.

MINNEAPOLIS, MN 55432

(612) 571-0630

ISSUE DATE: 2-01-91

PRODUCT NAME: SENTINEL 747 MASTIC REMOVER
CHEMICAL NAME AND SYNONYMS: EMULSIFIED ORGANIC HYDROCARBON

DOT SHIPPING NAME: CLEANING COMPOUND, CLASS 55 NOI
DOT HAZARDOUS CLASSIFICATION: COMBUSTIBLE LIQUID
24 HOUR EMERGENCY MEDICAL AND SPILL NUMBER: 1-800-228-5635

SECTION I	HAZARDOUS IDENTIFICATION	EXPOSURE LIMITS
REFINED PETROLEUM SOLVENTS	CAS# 64742-47-8	100 PPM ACGIH TWA
ETHYLENE GLYCOL MONOBUTYL ETHER	CAS# 111-76-2	25 PPM ACGIH TWA

Common name for Ethylene Glycol is 2-BUTOXY ETHANOL

This product contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

ETHYLENE GLYCOL MONOBUTYL ETHER	CAS# 111-76-2	2-6% BY WEIGHT
---------------------------------	---------------	----------------

SECTION II
EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

If this product comes in contact with eyes, gently flush with large quantities of water for at least 15 minutes. If irritation persists, seek immediate medical attention.

SKIN CONTACT

Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION (breathing)

If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, victim should seek air free of vapors. If breathing stops, begin artificial respiration and seek immediate medical attention.

INGESTION (swallowing)

If this product is swallowed, DO NOT induce vomiting unless directed by a physician. Seek immediate medical advice and/or attention.

SECTION III
HEALTH HAZARDS/ROUTES OF ENTRY

EYE CONTACT

This product may cause irritation. Direct contact with the liquid or exposure to its vapors or mists may cause burning, tearing or redness.

SKIN CONTACT

This product may cause skin irritation. Prolonged or repeated exposure to this material may cause redness, burning, drying or cracking of the skin or dermatitis. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

ORIGINAL

SECTION III HEALTH HAZARDS/ROUTES OF ENTRY 747 pg. 2
INHALATION (breathing)

Inhalation of excessive concentration of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination and fatigue). Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties due to the irritant properties of this material.

INGESTION (swallowing)

Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination and fatigue).

Acute exposure to these compounds results in narcosis, pulmonary edema, and severe kidney and liver damage.

ASPIRATION HAZARD--This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

COMMENTS

THIS SUBSTANCE HAS NOT BEEN IDENTIFIED AS A CARCINOGEN OR PROBABLE CARCINOGEN BY NTP, IARC, OR OSHA.

SECTION IV SPECIAL PROTECTION INFORMATION
VENTILATION

If current ventilation practices are not adequate for minimizing exposures, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, systems safe for such locations should be used.

RESPIRATORY PROTECTION

Respiratory protection may be necessary to minimize exposure to organic vapors or gases. Depending on the nature and concentration of the airborne material, use a respirator or gas mask with appropriate cartridges and canisters, (NIOSH approved) or supplied air equipment.

PROTECTIVE GLOVES

The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

EYE PROTECTION

Approved eye protection is recommended to safeguard against eye contact, irritation or injury.

OTHER PROTECTIVE EQUIPMENT

It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

SECTION V REACTIVITY DATA
STABILITY

Stable

INCOMPATIBILITY (materials to avoid)

This product is incompatible with strong oxidizing agents.

ORIGINAL

SECTION V REACTIVITY DATA (continued) 747 pg. 3
HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION
Will not occur.

SECTION VI SPILL OR LEAK PROCEDURES
PRECAUTION IN CASE OF RELEASE OR SPILL

Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to suppress vapors. Keep contained and dispose of in accordance with local, county, state, and federal regulations.

SECTION VII STORAGE AND SPECIAL PRECAUTIONS
HANDLING AND STORAGE

Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks or other sources of ignition. "Empty" drums should be completely drained, properly bunged and promptly shipped to a qualified drum reconditioner.

SECTION VIII FIRE AND EXPLOSION HAZARD
HAZARD RANKING

0=LEAST

1=SLIGHT

2=MODERATE

3=HIGH

4=EXTREME

HEALTH HAZARD: 1

FLAMMABILITY: 2

REACTIVITY: 0

FLASH POINT: 141 DEGREES MIN. TCC F.

LOWER EXPLOSIVE LIMIT (% VOL.)

UPPER EXPLOSIVE LIMIT (% VOL.)

1.2

6.0

EXTINGUISHING MEDIA

SMALL FIRES: Extinguish with dry chemical, CO2 or foam.

LARGE FIRES: The use of dry chemical or foam is recommended.

FIRE AND EXPLOSION HAZARD

This material is combustible and may be ignited by heat or flame. This material will burn, but will not ignite readily.

FIRE FIGHTING PROCEDURES

The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

ORIGINAL

SECTION IX

PHYSICAL DATA

747

PS. 4

APPROX. BOILING POINT-----370-518 DEGREES F.

VAPOR DENSITY (AIR = 1)-----HEAVIER THAN AIR

VAPOR PRESSURE-----NEGLIGIBLE .

EVAPORATION RATE-----SLOWER THAN ETHER

% VOLATILE-----100%

WEIGHT PER GALLON-----6.71

APPEARANCE-----LIGHT BLUE

ODOR-----MILD/CHARACTERISTIC

SECTION X

DOCUMENTARY INFORMATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

ORIGINAL

ASBESTOS WORKERS ABATEMENT TRAINING PROGRAM OF SOUTHERN CALIFORNIA

670 E. FOOTHILL BLVD. # 3 AZUSA, CA 91702
626 - 334 - 6884

This is to certify that

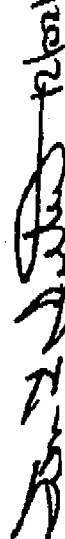
Martin Perez

SSI # 570-39-3445

ACAndS

has completed & passed the 8 hr. Recertification for the Environmental Protection
Agency which meets all ASHARA requirements for the Asbestos Abatement
Contractor Supervisor Course from 12/02/98 to 12/02/98

Certificate expires on: 12/02/99

 12/15/98

Tom L. Gutierrez
IAC Administrator & Training Director
for the AWATP Facility for Local 5

Please call (626) 334-6884

to verify if the Training
certificate is authentic!

RCS

00150

4/15
Donald Whorton, M.D.

April 16, 1998

Tom Gutierrez
Asbestos Workers Local 5
670 E. Foothill Blvd, Suite 3
Azusa, CA 91702-2628

RE: Martin Perez
570-39-3445

Dear Mr. Gutierrez:

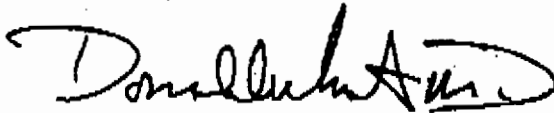
The above named employee has completed an examination through the Western States Maintenance Employee Medical Program. The date and location of the examination are indicated below.

Location: Orange - Orange Medical Center
Date of Exam: 04/13/98

On the basis of the medical history, physical examination, and lung function studies this employee has no restrictions for use of a respirator or other personal protective equipment. This employee has no restrictions for work as an insulator or asbestos abatement worker.

This clearance is limited to assignments with contractors in the Western States Contractors Association (WICA). The trust office is required to keep copies of this clearance and provide them to contractors if necessary. This examination completes all medical monitoring requirements for asbestos exposed workers as mandated by the State of California, Title 8 California Code of Regulation 5208 and 1529 (asbestos) and 5144 (respiratory protective equipment) and the federal asbestos regulation, Title 29 Code of Federal Regulation 1910.1001 (asbestos) and 1910.134 (respiratory protective equipment). All examination results are stored in this office.

Sincerely,



M. Donald Whorton, M.D.
Medical Consultant

MDW:db

M. Donald Whorton, M.D., Inc.
1135 Atlantic Avenue • Alameda • California 94501
Telephone 510-748-5780 Facsimile 510-748-5785

ORIGINAL

RESPIRATOR FIT TEST

AND

TRAINING RECORD

EMPLOYEE NAME: Martin Perez
 Social Security No. 570-39-3445 Phone No. 213-780-1063
 Address: 4639 Straney St.
 City: L.A. State CA Zip Code 90022
 EMPLOYER: AC and S Inc. Phone No. (714) 254-1380
 EXAMINATION DATE: 11/20/98 EXAMINER'S NAME: Martin Regalado
 EQUIPMENT TYPE: Neg. Pressure Half-Mask MANUFACTURER: North 1/2 Face
 Model No./Size: #7700 / Med.

TEST RESULTS

- (1) Negative Pressure Test
 (2) Positive Pressure Test
 (3) Isocanyl Acetate Vapor Test
 (4) Irritant Smoke Test
 Irritant detected

PASS ☒ FAIL ()
 PASS ☒ FAIL ()
 PASS ☒ FAIL ()
 PASS ☒ FAIL ()

Initials

MP
MP
MP
MP

Employee briefed on health hazards of the job and fundamental principles of respiratory protection, limitations, use, inspection, cleaning, maintenance and storage of equipment.

Yes ☒ No () MP (Initials)

ADDITIONAL INFORMATION

Most recent employee physical exam conducted on 4/13/98
 Physician's certificate of ability to use respiratory equipment:

YES ☒ NO ()

Name of Medical Facility: Orange Medical Center

Corrective lenses required for normal work tasks: YES () NO ☒

I hereby certify that the subject employee has been trained and Fit Tested in accordance with CISO 5144.

Martin Regalado
 Examiner's Signature

11/20/98
 Date

Martin Perez
 EMPLOYEE'S SIGNATURE

11/20/98
 Date

CERTIFICATE NUMBER
170333

Certificate of Attendance



This is to Certify that

OSCAR HERRERA SS # 623-48-1341

has completed the Course of

ASBESTOS ABATEMENT WORKER 8 HR. REFRESHER COURSE

For purposes of the National Asbestos Training Act (NATA) and the National Asbestos Training Act (NATA) and the National Asbestos Training Act (NATA)

INSTRUCTOR

September 03, 1998

E090398AWR

COMPLETION DATE

CERTIFICATE DATE

CERTIFICATE EXPIRES

September 03, 1999

50 N. Parkfield Dr. Suite 101
San Jose, CA 95128

Ph. (714) 480-0111 Fax (714) 480-0222

Donald Whorton, M.D.

August 18, 1998

Tom Gutierrez
Asbestos Workers Local 5
670 E. Foothill Blvd, Suite 3
Azusa, CA 91702-2628

RE: Oscar Herrera
623-48-1341

Dear Mr. Gutierrez:

The above named employee has completed an examination through the Western States Maintenance Employee Medical Program. The date and location of the examination are indicated below.

Location: Orange Medical Center
Date of Exam: 08/12/98

On the basis of the medical history, physical examination, and lung function studies this employee has no restrictions for use of a respirator or other personal protective equipment. This employee has no restrictions for work as an insulator or asbestos abatement worker.

This clearance is limited to assignments with contractors in the Western States Contractors Association (WICA). The trust office is required to keep copies of this clearance and provide them to contractors if necessary. This examination completes all medical monitoring requirements for asbestos exposed workers as mandated by the State of California, Title 8 California Code of Regulation 5208 and 1529 (asbestos) and 5144 (respiratory protective equipment) and the federal asbestos regulation, Title 29 Code of Federal Regulation 1910.1001 (asbestos) and 1910.134 (respiratory protective equipment). All examination results are stored in this office.

Sincerely,



M. Donald Whorton, M.D.
Medical Consultant

MDW:db

M. Donald Whorton, M.D., Inc.
1320 Harbor Bay Parkway • Suite 115 • Alameda • California 94502
Telephone 510-748-5760 Facsimile 510-521-0515

ORIGINAL

RESPIRATOR FIT TEST

AND

TRAINING RECORD

EMPLOYEE NAME: Oscar Herrera
 Social Security No. 623-48-1241 Phone No. 213) 751-4921
 Address: 622 West 77th St Apt #1
 City: L.A. State CA Zip Code 90044
 EMPLOYER: AC and S Inc. Phone No. (714) 254-1380
 EXAMINATION DATE: 11/19/98 EXAMINER'S NAME: MARIA RAGSDALE
 EQUIPMENT TYPE: Neg. Pressure Half-Mask MANUFACTURER: North 1/2 Face
 Model No./Size: #7700 / MED.

TEST RESULTS

		Initials
(1) Negative Pressure Test	PASS (✓)	O.H.
(2) Positive Pressure Test	PASS (✓)	O.H.
(3) Isocamyl Acetate Vapor Test	PASS (✓)	O.H.
(4) Irritant Smoke Test	PASS (✓)	O.H.
Irritant detected		

Employee briefed on health hazards of the job and fundamental principles of respiratory protection, limitations, use, inspection, cleaning, maintenance and storage of equipment.

Yes (X) No () O.H. (Initials)

ADDITIONAL INFORMATION

Most recent employee physical exam conducted on 8/12/98
 Physician's certificate of ability to use respiratory equipment: YES (X) NO ()

Name of Medical Facility: Orange Medical Center

Corrective lenses required for normal work tasks: YES () NO (X)

I hereby certify that the subject employee has been trained and Fit Tested in accordance with CISO 5144.

Maria Ragdale 11/19/98 Oscar Herrera 11/19/98
 Examiner's Signature Date EMPLOYEE'S SIGNATURE Date

9. WASTE DISPOSAL RECORDS

10. RESERVED FOR CLIENT



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

21885 E. Copley Drive, Diamond Bar, CA 91765-4182 (909) 396-2000

MAIL ORIGINAL TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 5541, LOS ANGELES CA 90074-5841

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK	ENTERED BY	NOTIFICATION #
COMPLETED BY A. GARCIA	COMPANY AC and S, INC.	PHONE (562) 422-7370			
DATE 11/30/98	CHECK # 12801593	FEE \$ 10.40	PROJECT # 1198-29		
NOTIFICATION TYPE	<input checked="" type="radio"/> ORIGINAL	REVISION DATES	REVISION OTHER (highlight)	CANCELLATION	
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	<input checked="" type="radio"/> RENOVATION (removal)	EMERGENCY REMOVAL	PLANNED RENO (annual)
SITE INFORMATION	SITE NAME United States Army Reserve Facility				
SITE ADDRESS 3800 E. Willow St	CROSS STREET				
CITY Long Beach	STATE CA	ZIP 90822	COUNTY Los Angeles		
DESCRIBE WORK LOCATION Kitchen Area					
BUILDING SIZE (SQ FT) 14,000	NUMBER OF FLOORS 1		BUILDING AGE (YEARS) 40+	NUMBER OF DWELLING UNITS 0	
BLDG PRIOR / PRESENT USE	COMMERCIAL	HOSPITAL	INDUSTRIAL	<input checked="" type="radio"/> OFFICE	PUBLIC BLDG. RESIDENCE SCHOOL SHIP UNIV/COLLEGE
SITE OWNER United States Army	ADDRESS 3800 E. Willow St				
CITY Long Beach	STATE CA	ZIP 90822	CONTACT Mr. F. Williams	PHONE 562-992-5200	
REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? <input checked="" type="radio"/> YES <input type="radio"/> NO	ASBESTOS SURVEY? <input checked="" type="radio"/> YES <input type="radio"/> NO	ASBESTOS REMOVED? <input checked="" type="radio"/> YES <input type="radio"/> NO	BUILDING TO BE DEMOLISHED? YES <input type="radio"/> NO <input checked="" type="radio"/>	
PROJECT DATES	START 12-11-98	END 12-11-98	WORK SHIFT (am/pm) 7-3:30pm		
ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE 0	CLASS I 260 S/F	CLASS II 0	TOTAL REMOVED (add row) 260 S/F	
ASBESTOS REMOVED FROM	<input checked="" type="radio"/> SURFACES		PIPES	COMPONENTS	
DESCRIBE TYPE & AMOUNT OF ASBESTOS (in square feet)	ACOUSTIC CEILING	INOLEUM	INSULATION	FIRE PROOFING	DUCTING STUCCO MASTIC
FLOOR TILES (VAT) 260 S/F	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)
CONTRACTOR INFORMATION	CSLB LICENSE # 174536	OSHA REG # 032	AQMD ID # 76303		
NAME AC and S, INC.	ADDRESS 2340 East Artesia Blvd.				
CITY Long Beach	STATE CA	ZIP 90805	SITE SUPVR A. Garcia	PHONE 866-305-3017	
WASTE TRANSPORTER #1 ACandS Inc.	LANDFILL AZUSA LAND RECLAMATION CO.		XIII.		
ADDRESS 2340 E. Artesia Blvd.	ADDRESS 1201 W. Gladstone Street				
CITY Long Beach	STATE CA	ZIP 90805	CITY Azusa	STATE CA	ZIP 91702

VI. Procedure used to detect ACM: **P.L.M.**

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL
MAIL ORIGINAL TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2			WASTE STORAGE SITE												
ADDRESS			ADDRESS												
CITY	STATE	ZIP	CITY	STATE	ZIP										
CONTROLS: DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure # 1, 2, 3, 4, 5 or Other. <i>Procedure # 7</i> For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval.															
ASBESTOS DETECTION PROCEDURE: CIRCLE THE PROCEDURES AND ANALYTICAL METHODS USED TO DETERMINE ASBESTOS IN THE BUILDING: Bulk Sampling, Inspection, Survey, PLM, PCM, TEM, Assumed as Asbestos, Describe Other: <i>PLM = Phase Light Microscopy Air - Phase Contrast Microscopy</i>															
FOR DEMOLITIONS GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL: <i>N/A</i>															
FOR ORDERED DEMOLITION SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME: AUTHORIZING PERSON: <i>WJ</i> TITLE DATE OF ORDER: <i>11/30/98</i> DATE ORDERED TO BEGIN: <i>N/A</i>															
FOR EMERGENCY ASBESTOS REMOVAL GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT: <i>N/A</i>															
EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN: <i>N/A</i>															
CONTINGENCY PLAN: DESCRIBE ACTIONS AND PROCEDURES TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR NONFRIABLE ASBESTOS MATERIAL BECOME CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. <i>Isolate area - mist air - dampen material - clean spill - properly package for disposal.</i>															
TRAINING CERTIFICATION: I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. <table style="width:100%;"> <tr> <td style="width:20%;">AC&S Inc.</td> <td style="width:20%;"><i>A. Garcia</i></td> <td style="width:20%;"><i>[Signature]</i></td> <td style="width:20%;"><i>Project Manager</i></td> <td style="width:20%;"></td> </tr> <tr> <td>Company Name</td> <td>Print name of owner/operator</td> <td>Signature of owner/operator</td> <td>Title of owner/operator</td> <td>Date <i>11-30-98</i></td> </tr> </table>						AC&S Inc.	<i>A. Garcia</i>	<i>[Signature]</i>	<i>Project Manager</i>		Company Name	Print name of owner/operator	Signature of owner/operator	Title of owner/operator	Date <i>11-30-98</i>
AC&S Inc.	<i>A. Garcia</i>	<i>[Signature]</i>	<i>Project Manager</i>												
Company Name	Print name of owner/operator	Signature of owner/operator	Title of owner/operator	Date <i>11-30-98</i>											
INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments. <table style="width:100%;"> <tr> <td style="width:20%;">AC&S Inc.</td> <td style="width:20%;"><i>A. Garcia</i></td> <td style="width:20%;"><i>[Signature]</i></td> <td style="width:20%;"><i>Project Manager</i></td> <td style="width:20%;"></td> </tr> <tr> <td>Company Name</td> <td>Print name of owner/operator</td> <td>Signature of owner/operator</td> <td>Title of owner/operator</td> <td>Date <i>11-30-98</i></td> </tr> </table>						AC&S Inc.	<i>A. Garcia</i>	<i>[Signature]</i>	<i>Project Manager</i>		Company Name	Print name of owner/operator	Signature of owner/operator	Title of owner/operator	Date <i>11-30-98</i>
AC&S Inc.	<i>A. Garcia</i>	<i>[Signature]</i>	<i>Project Manager</i>												
Company Name	Print name of owner/operator	Signature of owner/operator	Title of owner/operator	Date <i>11-30-98</i>											
Notifications are not accepted without the required asbestos fee (AQMD Rule 301). Removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the asbestos amount to be removed. Fees are as follows:															
FROM 100 TO 1,000 SQUARE FEET \$ 10.40 FROM 1,001 TO 5,000 SQUARE FEET \$ 78.60 FROM 5,001 TO 10,000 SQUARE FEET \$183.50 MORE THAN 10,000 SQUARE FEET \$288.30			DEMOLITIONS \$ 26.20 REVISIONS \$ 10.40 CANCELLATIONS \$ 00.00 PROCEDURE 4 OR 5 PLANS \$288.30 RETURNED CHECK CHARGE \$25.00												
ATTENTION: Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. For your convenience please mail and do not hand carry															

MAIL ORIGINAL TO: SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641
TELEPHONE: (909) 396-2336 FAX: (909) 396-3342 FAX BACK FORMS: (909) 396-2550 WEB SITE: HTTP://WWW.AQMD.GOV

COST ESTIMATE FOR ASBESTOS ABATEMENT AND REMOVAL

SCOPE OF WORK

Subject: Asbestos Abatement at Long Beach U.S. Army Reserve Center, Long Beach, California.

Description of Work:

Conduct an asbestos abatement for removal of 12-inch by 12-inch white mottled floor tile and associated mastic at the kitchen room/area of Long Beach U.S. Army Reserve (USAR) Center, California. The Center is located at 3800 E. Willow Street, Long Beach, California. The area for abatement to be performed is approximately **230** sq. ft. in area. The floor plan/layout of the building is attached as Enclosure-1. The USAR building is currently occupied and there are full-time administrative personnel working in the building.

Asbestos containing material (ACM) was identified in a comprehensive survey conducted in 1996. An asbestos sampling and analyses had been performed for the floor tile and associated mastic by an accredited laboratory. Analytical results indicate that this material contains a trace amount of chrysotile asbestos as a composite sample. Asbestos was not detected in the floor tile and the mastic contains 1-5% chrysotile asbestos in the kitchen area. The material is non-friable.

Air monitoring of the area needs to be performed as part of the asbestos abatement work to ensure clearance on the project after completion. Air samples prior to the start of abatement and during the project shall be collected. Final air clearance sampling and analyses shall be performed prior to the removal of work area barriers.

General:

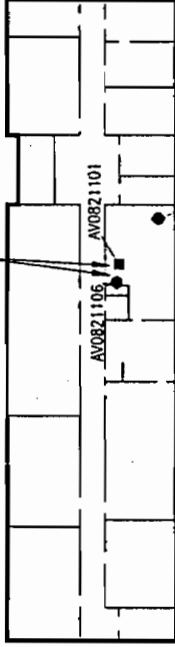
All work shall be performed by a State of California licensed contractor and in accordance with federal, state, and local laws and regulations. The scope of the project involves proper removal and disposal of non-friable ACM as defined by South Coast Air Quality Management District (SCAQMD) Rule 1403 – Asbestos Emission from Demolition/Renovation Activities.

Report:

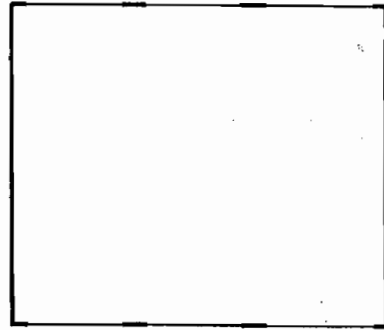
Prepare a brief closure report with description and attach copies of air monitoring results and manifest forms for disposal. One (1) copy of the report shall be submitted to the 63D RSC, Engineers Office, Environmental Division.

If you need any additional information, please contact Ms. Shyamala Sundaram at Phone: (562) 795-1442, Fax: (562) 795-1499.

Transite ducts on roof

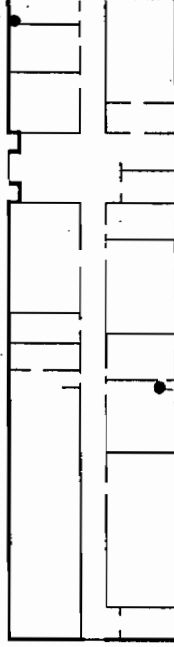


ADMINISTRATION BUILDING -
SECOND FLOOR



OPERATIONS
MAINTENANCE
SHOP

AV0821105



ADMINISTRATION BUILDING -
FIRST FLOOR

THIS IS THE
KITCHEN AREA
≈ 260 ft.²
OF FLOOR
TILE & MASTIC.



EXPLANATION

- Bulk sample location
- Roof sample location

Not to scale

APPROXIMATE

Scale 0 50 100 feet



ASBESTOS SURVEY -
ADMINISTRATIONS BUILDING AND
OPERATIONS MAINTENANCE SHOP
U.S. Army Reserve Center
Long Beach, California

APPROVED

DATE
1/96

ENCLOSURE-1

- Asbestos and Lead Abatement
- Demolition
- Hazardous Remediation



Contractors License
#549566 • DOSH #177

CLOSE-OUT DOCUMENTATION

Prepared for:

U.S. ARMY RESERVE HEADQUARTERS
63RD Regional Support Center
Attn: Shyamala Sundaran
AFRC-CCA-EN, Building 7
P.O. Box 3001
Los Angeles, CA 90720

Project:

U.S Army Reserve Center, Administration Building
3800 East Willow Street
Long Beach, California
#026-3509

2100 EAST VIA BURTON STREET
ANAHEIM, CA 92806
P h . (7 1 4) 9 9 1 - 8 3 0 0
F a x (7 1 4) 9 9 1 - 8 2 2 6
www.CSTEnvironmental.com



ENVIRONMENTAL, INC

TABLE OF CONTENTS

CERTIFICATE OF COMPLETION	I
PERMITS AND LICENSES	II
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HAULER PERMIT AND LANDFILL FACT SHEET	VII

Certificate of Completion



ENVIRONMENTAL, INC

CERTIFICATE CONCERNING ASBESTOS REMOVAL

The undersigned, CST Environmental, Inc. (a licensed California Contractor, Section II) has completed the removal of asbestos containing material from various areas of roof of the administration building located at the U.S. Army Reserve Center, 3800 East Willow Street, Long Beach, California (The Project). In connection with such work, the undersigned hereby certifies to the United States Army Reserve (The Owner) as follows:

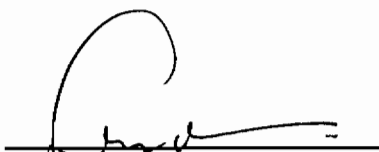
1. The South Coast AQMD and CAL/OSHA were notified of the project by the filing of the Asbestos Removal Notification information sheet, attached hereto in Section III.
2. The project was conducted on June 17, 1999 in accordance with EPA, SCAQMD and CAL/OSHA guidelines and regulations, including specifications concerning use of pressure differential system, personal protection and decontamination of workers, air monitoring, work area decontamination and disposal.
3. The workers employed on the project were the following persons: Steve Dougherty and Billy Novikoff. Each of them has completed all necessary training, including their respirator fit test, and has signed CST Environmental's acknowledgment statement, attached in Section IV.
4. CST Environmental requires an annual physical examination of each asbestos exposed worker in accordance with OSHA medical monitoring requirements. Each employee was found to be in good health, as evidenced by the copies of their medical examinations, attached in Section IV.
5. Daily Supervisor Report and Containment Log for the project are attached in Section V.
6. Personal air monitoring performed on site was analyzed by Environmental Data Management. Results are attached in Section VI.
7. A total of 1 bag at .6 yards of asbestos containing material was removed as evidenced by the non-hazardous waste manifest #043351, attached in Section VI.



ENVIRONMENTAL, INC

8. The asbestos containing material (roof mastic, transite, poly, coveralls, tape, etc.) removed from the building, was doubled bagged and labeled by CST Environmental. The material was hauled by Martin Environmental Services and disposed of at BFI/La Paz County Landfill, Parker, Arizona. The hauler permit and landfill fact sheets are attached in Section VII.

Signed and Submitted this 15th day of July, 1999.

By: 
Subhas "Sage" Khara
President

Permits and Licenses

Permits and Licenses

Enclosed please find State Contractors License, Asbestos Certification, CAL/OSHA registration, and Hazardous Waste Hauler Registration.

<p>State of California</p> <h1>Contractors State License Board</h1> <p>Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:</p> <p>C S T ENVIRONMENTAL INC</p>	
  Signature of Licensee  Signature of License Qualifier	<p>to engage in the business or act in the capacity of a contractor in the following classification(s):</p> <p>B - General Building Contractor ASB - Asbestos Certified C-2 - Insulation and Acoustical</p> <p>Witness my hand and seal this day, November 26, 1990 Issued November 23, 1988 CERTIFIED COPY</p> <p> Registrar of Contractors</p> <p>.....549566 License Number</p>
<p><small>This license is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.</small></p>	

TH 24 DELV 1-89

№ 276631

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



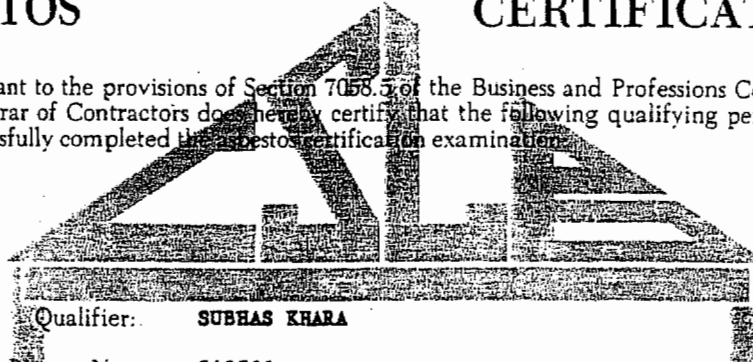
Building Quality



ASBESTOS

CERTIFICATION

Pursuant to the provisions of Section 7058.5 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the asbestos certification examination.



Qualifier: **SUBHAS KHARA**

License No.: **549566**

Namestyle: **C S T ENVIRONMENTAL, INC.**

WITNESS my hand and official seal this
19th day of JANUARY 1989

David R. Rellie
Registrar of Contractors

13L-35 (7/88)

This certification is the property of the Registrar of Contractors. It is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A5016



State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License Number **549566** Entity **CORP**
Business Name **C S T ENVIRONMENTAL INC**

Classification **ASB B C-2 A C21 HAZ**

Expiration Date **11/30/2000**



State of California



Department of Industrial Relations

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

Certificate of Registration for Asbestos-related Work

Certificate No. 177Expiration Date 20-Jan-00C S T ENVIRONMENTAL, INC.

(Name of Employer)

is duly registered by the Division of Occupational Safety and Health in accordance with the California Administrative Code, Title 8, Article 2.5 for asbestos-related work.

15-Jan-99

Date Of Issuance

Chief, Division of Occupational Safety and Health

Effective Date 21-Jan-99Contractor's License No. 549566

This registration is valid only when the following requirements and conditions are met:

1. The registered employer shall safely perform asbestos-related work in compliance with relevant occupational safety and health regulations.
2. The registered employer shall notify the Division of changes in work locations or conditions as specified by Section 341.9 of Title 8 of the California Administrative Code.
3. The registered employer shall post a sign readable at 20 feet at the location of any asbestos-related work stating:

**Danger-Asbestos
Cancer and Lung Hazard
Authorized Personnel Only**

4. A copy of the registration shall be posted at the jobsite beside the Cal-OSHA poster.
5. The registered employer shall provide a copy of this registration certificate to the prime contractor and any other employers at the site before the commencement of any asbestos-related work.
6. The registered employer shall conduct a safety conference prior to the commencement of any asbestos-related work as specified by Section 341.11 of Title 8 of the California Administrative Code.
7. The registered employer acknowledges the Division's right to revoke or suspend this registration as provided by Section 341.14 of title 8 of the California Administrative Code.

Notification

**TEMPORARY WORKSITE NOTIFICATION FOR ASBESTOS
and METHYLENEDIANILINE-RELATED WORK**

COMPANY/EMPLOYER NAME: CST ENVIRONMENTAL, INC. 99-446A

HEADQUARTERS ADDRESS: 2100 EAST VIA BURTON STREET, ANAHEIM, CA 92806

*CONTRACTORS STATE LICENSE BOARD LICENSE NUMBER: 549566

DOSH-OCCU (CAL/OSHA) *ASBESTOS REGISTRATION NUMBER: 177
and/or "REPORT OF USE" REGISTRY NUMBER: _____

ADDRESS OF TEMPORARY WORKSITE and PRECISE LOCATION: BUILDING 6 -

3800 E. WILLOW STREET, LONG BEACH, CA 90806 - ROOF

NEAREST INTERSECTION: _____

TYPE OF BUSINESS: U.S. ARMY RESERVE CENTER

*NAME OF CERTIFIED SUPERVISOR: ANTHONY STUBER

*NAME OF QUALIFIED PERSON IN CHARGE OF AIR MONITORING,
LABORATORY WORK, AND RESPIRATORS: ANTHONY STUBER/ELM/PAUL ZAMBRANO

*NAME OF CERTIFIED CONSULTANT: FORENSIC ANALYTICAL

PROJECTED JOB STARTING DATE: 6/16/99 PROJECTED COMPLETION DATE: 6/16/99

DESCRIBE TYPE, SCOPE AND WORK PRACTICES OF JOB: REMOVAL APPROX 35 SQ. FT. OF

ROOF MASTIC FROM BUILDING 6.

WET REMOVAL METHOD, ADEQUATELY WETTING ANY ACM EXPOSED THROUGHOUT THE ABATEMENT PROCESS,
SPLASH GUARDS AND CRITICAL BARRIERS, PLACE INTO LEAK-TIGHT CONTAINERS OR DOUBLE WRAP IN
6 MIL PLASTIC OR DOUBLE BAG IN 6 MIL PLASTIC BAGS.

EVALUATION OF POTENTIAL FOR EXPOSURE: NO POTENTIAL EXPOSURE EXPECTED. WORKERS WILL

DON RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING.

ESTIMATED NUMBER OF EMPLOYEES ON THIS JOB: 2 - 3

ACCORDING TO TITLE 8 CCR SECTIONS 341.9 AND 1529(r) for ASBESTOS and 5200(p) for MDA, PLEASE
SEND THIS COMPLETED NOTICE TO THE NEAREST DISTRICT COMPLIANCE OFFICE (SEE
~~ATTACHED LISTING~~), NOT TO DOSH HEADQUARTERS OR TO DOSH CONSULTATION, PRIOR TO
COMMENCEMENT OF ANY SUCH WORK ACTIVITY.

NOTE: ANY CHANGE IN THE INFORMATION PROVIDED TO THE DISTRICT OFFICE BY THE
WRITTEN NOTICE SHALL BE REPORTED TO THE DISTRICT OFFICE WITHIN 24 HOURS OF
SUCH CHANGE.

* The star denotes asbestos inquiry only

CAL/OSHA 183B
May, 1993

Worker Certifications

Certificate of Attendance

CERTIFICATE NUMBER

17856



This is to Certify that

~~STEVEN J. DOUGHERTY~~ SS # 038-52-1596

Has Completed the Course of

~~AHERA ASBESTOS ABATEMENT CONTRACTOR SUPERVISOR 40 HOUR COURSE~~

For purposes of accreditation under section 206 of the Toxic Substances Control Act (TSCA) and compliance with AMAP in accordance with 59 FR 5236 effective April 1994

John D. S.
INSTRUCTOR

Armando Durbin
ARMANDO DURBIN

January 15, 1999

E011199CSC

January 15, 2000

COMPLETION DATE

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

550 N. Parkcenter Drive, Suite 102 • Santa Ana, CA 92705 • Ph. (714) 480-0111 • Fax (714) 480-0222

CST ENVIRONMENTAL, INC

WORKER TRAINING ACKNOWLEDGEMENT STATEMENT

In consideration of my employment by CST Environmental, Inc. the undersigned does hereby acknowledge, warrant, represent, covenant, and agree as follows:

1. I acknowledge and understand that I have been or will be employed in connection with the removal of, disposal of, or other treatment to, asbestos, or other work in asbestos-contaminated work area, and I acknowledge that I have been advised of and I understand the dangers inherent in handling asbestos and breathing dust, including, but not limited to, THE FACT THAT ASBESTOS CAN CAUSE ASBESTOSIS AND IS A KNOWN CARCINOGEN AND CAN, THEREFORE, CAUSE VARIOUS TYPES OF CANCER, AND I AM AWARE OF THE INCREASED RISK OF CONTRACTING LUNG CANCER ASSOCIATED WITH SMOKING AND ASBESTOS EXPOSURE.
2. I have had instruction and training in asbestos abatement methods, personnel monitoring, medical surveillance, asbestos fiber control measures, respirator use, protective clothing use, decontamination procedures, emergency procedures, OSHA and EPA regulations, and I understand the above instruction.
3. I acknowledge and understand that ANY CONTACT WITH ASBESTOS, WHETHER IT CAN BE SEEN OR NOT, MAY CAUSE ASBESTOSIS AND VARIOUS FORMS OF CANCER, WHICH MY NOT SHOW UP FOR MANY YEARS, AND I covenant and agree faithfully to take all precautions required of me during the course of my employment services at the Project Site including all precautions required by any public agency.
4. I knowingly assume all risks in connection with potential exposure to asbestos and I do hereby, for myself and my heirs at law, release and forever discharge the Owner, Owner's Representative, Abatement Observation Service, Testing Laboratory or consultants employed by the aforesaid, and all of their directors, officers, agents, employees, nominees, personal representatives, affiliates, successors and assigns from and against any and all liability whatsoever, at common law or otherwise, except any rights which the undersigned may have under the provisions of the applicable worker's compensation laws. Except as specifically set forth herein, I hereby waive and relinquish any and all claims of every nature which I now have or claim to have which are in any way, directly or indirectly, related to exposure to asbestos or working with asbestos and asbestos-containing materials.
5. Should any portion of this agreement be found in a court of competent jurisdiction to be valid, the remaining terms and conditions shall be in full force and effect. This agreement is entered pursuant to California Law.
6. I hereby warrant and represent that I have not been disabled, laid-off, or compensated in damages or otherwise, because of asbestos-related diseases, and I know of no health-related reasons why I should not be employed.
7. I hereby warrant that I have no pre-existing condition that should preclude me from performing the work required.

Name: Steven J. Dougherty Date: 12-28-98
Signature: Steve Dougherty SS Number: 03852-1596
CST Employee Signature: Steve Dougherty

RESPIRATOR FIT TEST RECORD

Name:

Steven J. Dougherty

Testing Agent: Irritant Smoke

Respirator Selected: (Circle size of selection)

X

Survivair B26 Series 1/2 Face Dual Cartridge Respirator,
Approval No. TC-21C-152

Sizes Available: SMALL, MEDIUM, LARGE

3M 7200 Dual Cartridge 1/2 Face Respirator
Approval No. TC-23C-1118

Sizes Available: SMALL, MEDIUM, LARGE

X

3M 7800 Dual Cartridge Full Face Respirator
Approval No. TC-23C-1117

Sizes Available: MEDIUM

MSA Powered Air Purifying Respirator

Approval No. TC-21C-496

Sizes Available: MEDIUM, LARGE

X

RACAL Powered Air Purifying Respirator

Approval No. TC-21C-496

Sizes Available: MEDIUM

I certify that the above test subject has been provided all the requirements for
qualitative fit tests as defined in T8CCR 1529, Appendix C.

Employee Signature:

Steve Dougherty

Test Conductor:

[Signature]

Date of test:

12-29-98



HEALTH STATUS REPORT

TYPE OF EXAMINATION

GREANEY MEDICAL GROUP

OCCUPATIONAL MEDICINE
ENVIRONMENTAL HEALTH
TOXICOLOGY

☐ Post-Offer Placement ☐ Special Occupational

☐ Routine Periodic ☐ Other _____

Specify

DOUGHERTY, STEVEN J. 02/01/99

SSN: 038-52-1596 DOB: 06/02/71

EMP: CST ENVIRONMENTAL

SRV: PO ASBESTOS

29-02-01-05

EXAMINEE'S NAME

Position	Date of Exam
Location	Supervisor
Social Security No.	

The following recommendation is based on a review of base history questionnaire, diagnostic tests, physical examination and the essential functions of the position applied for or occupied by the individual named above.

STATUS

1. ☒ The examination indicates no significant medical impairment, can be assigned any work consistent with skills and training.

2. ☐ The examination indicates that a medical impairment currently exists that limits work assignments

☐ Cannot perform an essential function (s)

☐ Must wear corrective lenses

☐ Work sitting only

☐ Day work only (no shift work)

☐ Not to lift over _____ pounds

☐ No overtime

☐ No work requiring filter type respiratory protective device

☐ No repeated bending

☐ No work in confined spaces

☐ Not to work with volatile organic compounds, solvents, or hepatotoxins

☐ No work with chemicals or irritants

☐ Suggested accommodations _____

☐ Not to work at a specific job or area _____

Specify

☐ Can not perform marginal functions

☐ Not to operate: ☐ Forklift ☐ Tow Motor

☐ Passenger Vehicle

☐ Truck

3. ☐ Decision deferred. The examination indicated that additional information is necessary.

DATE

2/3/99

EXAMINER

Signature

M.D.

GM088901

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined

STEVEN J. DOUGHERTY

NAME (PRINT)

IN ACCORDANCE WITH OSHA REGULATIONS WE FIND HIM
QUALIFIED UNDER THE REGULATIONS TO WEAR
RESPIRATORY PROTECTIVE EQUIPMENT.

A COMPLETED EXAMINATION FORM FOR THIS PERSON IS ON
FILE IN MY OFFICE AT 1103 S. ANAHEIM BOULEVARD.

2-1-99

DATE OF EXAMINATION

Greaney Med Group

NAME OF EXAMINING DOCTOR (PRINT)

Steven J. Dougherty

SIGNATURE

SIGNATURE OF EXAMINING DOCTOR

8321 PAWTHURST DR. A.B. CA. 92646

ADDRESS

Certificate of Attendance

CERTIFICATE NUMBER
17131



This is to Certify that

BILLY NOVIKOFF SS # 560-57-1900

Has Completed the Course of

AHERA ASBESTOS ABATEMENT CONTRACTOR SUPERVISOR 8 HR. REFRESHER COURSE

For purposes of accreditation under section 206 of the Toxic Substances Control Act (TSCA) and compliance with AMAP in accordance with 59 FR3236 effective April 1994


ARMANDO DUCOING
INSTRUCTOR

September 12, 1998


ARMANDO DUCOING
DIRECTOR
September 12, 1999

COMPLETION DATE

E091298CSR

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

550 N. Parkcenter Dr. Suite 102
Santa Ana, Ca. 92705
Ph. (714) 480-0111 Fax (714) 480-0222

WORKER TRAINING ACKNOWLEDGEMENT STATEMENT

In consideration of my employment by CST Environmental, Inc. the undersigned does hereby acknowledge, warrant, represent, covenant, and agree as follows:

1. I acknowledge and understand that I have been or will be employed in connection with the removal of, disposal of, or other treatment to, asbestos, or other work in asbestos-contaminated work area, and I acknowledge that I have been advised of and I understand the dangers inherent in handling asbestos and breathing dust, including, but not limited to, **THE FACT THAT ASBESTOS CAN CAUSE ASBESTOSIS AND IS A KNOWN CARCINOGEN AND CAN, THEREFORE, CAUSE VARIOUS TYPES OF CANCER, AND I AM AWARE OF THE INCREASED RISK OF CONTRACTING LUNG CANCER ASSOCIATED WITH SMOKING AND ASBESTOS EXPOSURE.**
2. I have had instruction and training in asbestos abatement methods, personnel monitoring, medical surveillance, asbestos fiber control measures, respirator use, protective clothing use, decontamination procedures, emergency procedures, OSHA and EPA regulations, and I understand the above instruction.
3. I acknowledge and understand that **ANY CONTACT WITH ASBESTOS, WHETHER IT CAN BE SEEN OR NOT, MAY CAUSE ASBESTOSIS AND VARIOUS FORMS OF CANCER, WHICH MY NOT SHOW UP FOR MANY YEARS, AND I covenant and agree faithfully to take all precautions required of me during the course of my employment services at the Project Site including all precautions required by any public agency.**
4. I knowingly assume all risks in connection with potential exposure to asbestos and I do hereby, for myself and my heirs at law, release and forever discharge the Owner, Owner's Representative, Abatement Observation Service, Testing Laboratory or consultants employed by the aforesaid, and all of their directors, officers, agents, employees, nominees, personal representatives, affiliates, successors and assigns from and against any and all liability whatsoever, at common law or otherwise, except any rights which the undersigned may have under the provisions of the applicable worker's compensation laws. Except as specifically set forth herein, I hereby waive and relinquish any and all claims of every nature which I now have or claim to have which are in any way, directly or indirectly, related to exposure to asbestos or working with asbestos and asbestos-containing materials.
5. Should any portion of this agreement be found in a court of competent jurisdiction to be valid, the remaining terms and conditions shall be in full force and effect. This agreement is entered pursuant to California Law.
6. I hereby warrant and represent that I have not been disabled, laid-off, or compensated in damages or otherwise, because of asbestos-related diseases, and I know of no health-related reasons why I should not be employed.
7. I hereby warrant that I have no pre-existing condition that should preclude me from performing the work required.

Name: BILLY NOVIKOFF

Date: 12/23/98

Signature: 

SS Number: 560-57-1900

CST Employee Signature: 

RESPIRATOR FIT TEST RECORD

Name: BILLY NOVIKOFF

Testing Agent: Irritant Smoke

Respirator Selected: (Circle size of selection)

X

Survivair B26 Series 1/2 Face Dual Cartridge Respirator,
Approval No. TC-21C-152
Sizes Available: SMALL, MEDIUM, LARGE

3M 7200 Dual Cartridge 1/2 Face Respirator
Approval No. TC-23C-1118
Sizes Available: SMALL, MEDIUM, LARGE

X

3M 7800 Dual Cartridge Full Face Respirator
Approval No. TC-~~23C-1117~~
Sizes Available: MEDIUM

MSA Powered Air Purifying Respirator
Approval No. TC-21C-496
Sizes Available: MEDIUM, LARGE

X

RACAL Powered Air Purifying Respirator
Approval No. TC-21C-496
Sizes Available: MEDIUM

I certify that the above test subject has been provided all the requirements for qualitative fit tests as defined in T8CCR 1529, Appendix C.

Employee Signature: B. Novikoff

Test Conductor: [Signature]

Date of test: 12/23/98



CST ENVIRONMENTAL, INC

WORKER TRAINING ACKNOWLEDGEMENT STATEMENT

In consideration of my employment by CST Environmental, Inc. the undersigned does hereby acknowledge, warrant, represent, covenant, and agree as follows:

1. I acknowledge and understand that I have been or will be employed in connection with the removal of, disposal of, or other treatment to, asbestos, or other work in asbestos-contaminated work area, and I acknowledge that I have been advised of and I understand the dangers inherent in handling asbestos and breathing dust, including, but not limited to, **THE FACT THAT ASBESTOS CAN CAUSE ASBESTOSIS AND IS A KNOWN CARCINOGEN AND CAN, THEREFORE, CAUSE VARIOUS TYPES OF CANCER, AND I AM AWARE OF THE INCREASED RISK OF CONTRACTING LUNG CANCER ASSOCIATED WITH SMOKING AND ASBESTOS EXPOSURE.**
2. I have had instruction and training in asbestos abatement methods, personnel monitoring, medical surveillance, asbestos fiber control measures, respirator use, protective clothing use, decontamination procedures, emergency procedures, OSHA and EPA regulations, and I understand the above instruction.
3. I acknowledge and understand that **ANY CONTACT WITH ASBESTOS, WHETHER IT CAN BE SEEN OR NOT, MAY CAUSE ASBESTOSIS AND VARIOUS FORMS OF CANCER, WHICH MY NOT SHOW UP FOR MANY YEARS, AND** I covenant and agree faithfully to take all precautions required of me during the course of my employment services at the Project Site including all precautions required by any public agency.
4. I knowingly assume all risks in connection with potential exposure to asbestos and I do hereby, for myself and my heirs at law, release and forever discharge the Owner, Owner's Representative, Abatement Observation Service, Testing Laboratory or consultants employed by the aforesaid, and all of their directors, officers, agents, employees, nominees, personal representatives, affiliates, successors and assigns from and against any and all liability whatsoever, at common law or otherwise, except any rights which the undersigned may have under the provisions of the applicable worker's compensation laws. Except as specifically set forth herein, I hereby waive and relinquish any and all claims of every nature which I now have or claim to have which are in any way, directly or indirectly, related to exposure to asbestos or working with asbestos and asbestos-containing materials.
5. Should any portion of this agreement be found in a court of competent jurisdiction to be valid, the remaining terms and conditions shall be in full force and effect. This agreement is entered pursuant to California Law.
6. I hereby warrant and represent that I have not been disabled, laid-off, or compensated in damages or otherwise, because of asbestos-related diseases, and I know of no health-related reasons why I should not be employed.
7. I hereby warrant that I have no pre-existing condition that should preclude me from performing the work required.

Name: BILLY NOVIKOFF

Date: 8 7/9/99

Signature: B. Novikoff

SS Number: 560-97-1900

CST Employee Signature: [Signature]



CST ENVIRONMENTAL, INC

RESPIRATOR FIT TEST RECORD

Name: BILLY NEVILKOFF

Testing Agent: Irritant Smoke

Respirator Selected: (Circle size of selection)

 North 7700 Series 1/2 Face Dual Cartridge Respirator,
Approval No. TC-21C-152
Sizes Available: SMALL, MEDIUM, LARGE

 3M 7200 Dual Cartridge 1/2 Face Respirator
Approval No. TC-23C-1118
Sizes Available: SMALL, MEDIUM, LARGE

 3M 7800 Dual Cartridge Full Face Respirator
Approval No. TC-23C-1117
Sizes Available: MEDIUM

 MSA Powered Air Purifying Respirator
Approval No. TC-21C-496
Sizes Available: MEDIUM, LARGE

 RACAL Powered Air Purifying Respirator
Approval No. TC-21C-496
Sizes Available: MEDIUM

I certify that the above test subject has been provided all the requirements for qualitative fit tests as defined in T8CCR 1529, Appendix C.

Employee Signature: B. Nevilkoff

Test Conductor: Jose Sanchez

Date of test: 7/9/99



HEALTH STATUS REPORT

TYPE OF EXAMINATION

GREANEY MEDICAL GROUP
OCCUPATIONAL MEDICINE
ENVIRONMENTAL HEALTH
TOXICOLOGY

- ☐ Post-Offer Placement ☐ Special Occupational
☐ Routine Periodic ☐ Other _____
Specify

EXAMINEE'S NAME

NOVIKOFF, BILLY 10/14/98
SSN: 560-57-1900 DOB: 02/07/71
EMP: CST ENVIRONMENTAL
SRV: PO ASBESTOS
28-10-14-77

Position	Date of Exam
Location	Supervisor
Social Security No:	

The following recommendation is based on a review of base history questionnaire, diagnostic tests, physical examination and the essential functions of the position applied for or occupied by the individual named above.

STATUS

1. ☒ The examination indicates no significant medical impairment, can be assigned any work consistent with skills and training.

2. ☐ The examination indicates that a medical impairment currently exists that limits work assignments

- | | |
|--|---|
| <input type="checkbox"/> Cannot perform an essential function (s) | <input type="checkbox"/> Must wear corrective lenses |
| <input type="checkbox"/> Work sitting only | <input type="checkbox"/> Day work only (no shift work) |
| <input type="checkbox"/> Not to lift over _____ pounds | <input type="checkbox"/> No overtime |
| <input type="checkbox"/> No work requiring filter type respiratory protective device | <input type="checkbox"/> No repeated bending |
| <input type="checkbox"/> No work in confined spaces | <input type="checkbox"/> Not to work with volatile organic compounds, solvents, or hepatotoxins |
| <input type="checkbox"/> No work with chemicals or irritants | |
| <input type="checkbox"/> Suggested accommodations _____
Specify | <input type="checkbox"/> Not to work at a specific job or area |
| | |
| <input type="checkbox"/> Can not perform marginal functions | <input type="checkbox"/> Not to operate: <input type="checkbox"/> Forklift <input type="checkbox"/> Tow Motor |
| | <input type="checkbox"/> Passenger Vehicle <input type="checkbox"/> Truck |

3. ☐ Decision deferred: The examination indicated that additional information is necessary.

DATE 10/19/98 EXAMINER [Signature] M.D. [Signature]
Signature

Project Supervisor Reports Project Containment Logs

DAILY SUPERVISOR'S REPORT

DATE: 6/17/99 DAY OF WEEK: WEDNESDAY

JOB NAME: US ARMY RESERVE CTR JOB LOCATION: 3800 E. WILLOW LONG BEACH

JOB #: 99-446a SUPERVISOR: B. N. KOFF

PERSONAL SAMPLES # 1 STEL SAMPLES # 1 NEG. AIR SAMPLES #

MEN ON JOB # 2 SUBS ON JOBSITE #

WORK COMPLETED (Specific): BEGAN SHIFT 7:00am - SET UP LADDER AND EQUIP.
REMOVED APPROX. 2 PENETRATIONS ON FIRST ROOF MOVED TO 2nd
ROOF AND REMOVED TWO 4' LENGTHS OF TRANSITE PIPE FROM ROOF
ALONG W/ MASTIC ON PENETRATIONS. FINISHED MASTIC ON 3rd
LOWER ROOF. LOWERED BAGS AND EQUIP. AND ENDED SHIFT. 3:00pm.

WORK GOALS FOR NEXT SHIFT:

PROBLEMS:

VISITORS (NAME, AGENCY, DISCUSSION):

INJURIES

PREVIOUS MANDAYS	CURRENT	TODAY
<u>0</u>	<u>2 m/d</u>	<u>2 m/d</u>

JOB # 99-446A
PHASE 1
JOBSITE US ARMY RESERVE
AREA ON TOP OF ROOF

CONTAINMENT LOG

By signing below I warrant and represent that I have been instructed by the contractor in the hazards of asbestos exposure, use and fitting of respirators, protective clothing, use of showers, entry and exit from work areas, emergency procedures and safety equipment, and further warrant that I will carefully comply with these instructions.

Al firmar yo garantizo y represento que he sido instruido por el contratista en los peligros de la exposicion al asbestos, en el uso y ajuste del equipo respirativo, en el uso de ropa protectora, en el uso de las duchas, entrada y salida del area de trabajo, procedimientos de emergencia y equipo de seguridad, y tambien garantizo que con cuidado siguiera estas instrucciones.

[illegible]

Air Sample Results & Waste Manifest



ENVIRONMENTAL DATA MANAGEMENT

4B-8 VILLAGE LOOP ROAD, POMONA, CA 91766 PHONE: (909) 865-7550

CLIENT: CST ENVIRONMENTAL, INC.

WORK SITE: U.S. ARMY RESERVE CENTER, 3800 E. WILLOW, LONG BEACH, CA

AIR SAMPLE ANALYSES: NIOSH 7400 METHOD

REPORT DATE: 6/21/99

P. O. # B1483

JOB # 99-446A

DATE TAKEN FIELD ID LAB ID	SAMPLE AREA SAMPLE TYPE Work in Progress	SAMPLE LOCATION FOR OBZ: NAME FOR OBZ: SS#	SAMPLE START END	OBZ EXPOSURE TIME (Mts.)	FLOW RATE LPM VOLUME (L)	FIBERS FIELDS	F/CC TWA	LOD	COMMENTS
6/17/99 1 994362	IWA OBZ ABATE	ROOF MASTIC REMOVAL - ROOF TOP STEEL DOUGHERTY STEVEN 038-52-1596	8:15 8:50	35	2.50 87.5	9 100	0.0504	0.036	1/2
6/17/99 2 994363	IWA OBZ ABATE	MASTIC PENITRATION REMOVAL - ROOF DOUGHERTY STEVEN 038-52-1596	8:50 13:17	267	2.50 667.5	57 100	0.0419 0.0233	0.008	1/2
6/17/99 3 994364	IWA OBZ ABATE	30 SECONDS SAMPLE - FIELD				3 100			
6/17/99 4 994364B	BLANK	LAB. BLANK				2 100			

IWA=Inside Work Area, OWA=Outside Work Area, OBZ=Operator Breathing Zone, LOD=Limit Of Detection, LOQ=Limit Of Quantification UFP=Under Loaded Fibers-May have positive bias (F/MM<100), OFN=Over Loaded Fibers-May have negative bias (F/MM>100) OPN=Over Loaded Particulate-May have negative bias, OPFP=Over Loaded Particulate and Fibers-May have positive bias. 1/2= 1/2 Face Mask, FF= Full Face Mask, PAPP= Powered Air-Purifying Respirator.

ANALYST: LATA PATHAK

42



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

JOB# 99-446A

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 043351

Section I**GENERATOR**

(Generator completes all of Section I)

a. Generator Name: Martin Environmental b. Generating Location: US ARMY RESERVE CENTER, LONG BEACH
c. Address: PO Box 1128 d. Address: 3800 E WILLIAM ST
Canyon Country, CA 91351 LONG BEACH, CA 90822
e. Phone No.: (805) 287-3737 f. Phone No.: 562 997-5202 (FRANK WILLIAMS)
If owner of the generating facility differs from the generator, provide:
g. Owner's Name: SPOEDER HALL US ARMY RESERVE CENTER h. Owner's Phone No.: 3800 E WILLIAM STREET LONG BEACH, CA 90802
BFI WASTE CODE

CA	1	2	5	4	9	9	0	7	0	1
----	---	---	---	---	---	---	---	---	---	---

A	C	M	0	0	1
---	---	---	---	---	---

 Containers
Description of Waste: Uncontaminated friable k. Quantity

0	0	0	0	6
---	---	---	---	---

 Units

0

 No.

0	1
---	---

 TYPE

B	A
---	---

and/or non-friable asbestos (ACM)
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.
Frank D. Williams III Frank D. Williams III

0	6	1	6	7	7
---	---	---	---	---	---

Generator Authorized Agent Name Signature Shipment Date

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

Section II**TRANSPORTER**

(Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I		TRANSPORTER II													
a. Name: <u>Martin Environmental</u>		h. Name: _____													
Address: <u>PO Box 1128</u>		i. Address: _____													
<u>Canyon Country, CA 91351</u>															
Driver Name / Title: _____		j. Driver Name / Title: _____													
Phone No.: <u>(805) 287-3737</u> PRINT / TYPE	e. Truck No.: <u>11</u>	k. Phone No.: _____	l. Truck No.: _____												
Vehicle License No. / State: <u>EP47961</u>		m. Vehicle License No. / State: _____													
Acknowledgement of Receipt of Materials.		Acknowledgement of Receipt of Materials.													
<u>Frank D. Williams III</u> <table border="1"><tr><td>0</td><td>6</td><td>2</td><td>7</td><td>9</td><td>7</td></tr></table>	0	6	2	7	9	7	Driver Signature Shipment Date	<u>Frank D. Williams III</u> <table border="1"><tr><td>0</td><td>6</td><td>2</td><td>7</td><td>9</td><td>7</td></tr></table>	0	6	2	7	9	7	Driver Signature Shipment Date
0	6	2	7	9	7										
0	6	2	7	9	7										

Section III**DESTINATION**

(Generator completes a-d; destination site completes e-f)

a. Site Name: La Paz County Landfill c. Phone No.: (520) 669-4558
Physical Address: 26999 Highway 95, Mile Post 128 d. Mailing Address: 601 Riverside Drive, Suite 11
Parker, Arizona 85344 Parker, Arizona 85344

Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Frank D. Williams III Frank D. Williams III

0	6	2	7	9	7
---	---	---	---	---	---

Name of Authorized Agent Signature Receipt Date

Section IV**ASBESTOS**

(Generator complete a-d; f; g; Operator completes e.)

Operator's * Name: CST Environmental b. Operator's * Phone No.: (714) 991-8300
c. Operator's * Address: 2100 East Via Burton Anaheim, CA 92806
Special Handling Instructions and additional information: Wear appropriate PPE
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.
Operator's Name & Title: MAYRA DUENAS/PRODUCTION ASS.

0	6	1	5	8	9
---	---	---	---	---	---

Print / Type Operator's * Signature Date

No. 005331

LA PAZ COUNTY LANDFILL

A DIVISION OF



BROWNING-FERRIS INDUSTRIES

601 RIVERSIDE DRIVE, SUITE #11
PARKER, AZ 85344

Date : 06-29-99 Time In: 07:17:24
Ticket # : A26695 CNS # : 0000794
Customer : MARTIN ENVIRONMENTAL SERVICES
Vehicle # : 000020

All children must remain in vehicles. Absolutely no salvaging allowed.
Niños deben de permanecer en los carros a todas horas.
No se permite llevar cosas del dompe absolutamente.

BROWNING-FERRIS INDUSTRIES INC
LA PAZ COUNTY LANDFILL

Lic Plate: 3P92472C

Manifest # : 99148057 PO # :
Source Cd : CALIFORN Generator : MAR Transporter: 0
Comment : BIN #3329
Capacity : 40.00 yd Scale In # : 1 Operator: JAMACA DAYIES
Gross Wt : 21.87 Tare Wt: 13.76 Scale Out #: 1
Net Wt: 8.09 t

Item	Descr	Actual	Bill Qty
------	-------	--------	----------

ACW001F	TRIABLE AS	40.00	8.09 t
---------	------------	-------	--------

Sub Total..... \$

Total..... \$

HAVE A WONDERFUL DAY

WARNING

Any unauthorized hazardous waste to this facility for disposal by law. Persons violating this prohibition are subject to civil prosecution.

11/2/99

Hauler Permit & Landfill Fact Sheets

CST will be using BFI La Paz County Landfill as the waste site and Martin Environmental Service for hauling. All asbestos containing material will be handled, transported and disposed of as per federal, state and local regulations.

BFI La Paz County Landfill
26999 Highway 95 Mile 128
Parker, AZ 85344

Martin Environmental Services
P.O. Box 1128
Canyon Country, CA 91386
(805) 287-3737
EPA ID# CAD 000628636



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

PRU97-087

Fritz Symington, Governor

Russell F. Rhoades, Director

February 17, 1996

Ms. Mary Dahl
County of La Paz
1108 Joshua Street
Pahrump, Arizona 85344



RE: La Paz County Main Landfill - Approval to Operate

Dear Ms. Dahl:

Based on our telephone call on February 19, 1997, I understand there is some confusion on the current regulatory status of the La Paz County Landfill. This letter will serve as clarification on the current operating status of the La Paz landfill.

The La Paz County Landfill received Solid Waste Facility Plan Approval and an Approval to Construct from the Arizona Department of Environmental Quality Solid Waste Plan Review Unit (ADEQ) on November 28, 1995 (REF: PRU95-506). On February 13, 1996 (REF: PRU96-054), ADEQ sent a letter to La Paz County stating "the Phase 1 Composite liner system was constructed in general accordance with the plans and specifications, the APP, Arizona regulations and 40 CFR 258." The February 13, 1996, letter was an approval to operate for the La Paz landfill in accordance with submittals listed in both the November 28, 1995, letter and Aquifer Protection Permit (APP) #101856. Therefore, the La Paz landfill has solid and special waste waste facility plan approval for operation of the landfill and petroleum contaminated soils treatment facility. The APP will continue to be the operational permit for the seepage ponds.

If you have any questions regarding this letter or require further clarification, please call me at (602) 207-4116.

Sincerely,

Steve Camp
Solid Waste Plan Review Unit
Waste Programs Division

SEC:sec

cc: Mercedes G. Hartzog, Manager, Solid Waste Plan Review Unit
Norm Gumsink, Manager, Solid Waste Section
James Damann, EPI
Facility File



Cal/EPA

Department of
Toxic Substances
Control

400 P Street
14th Floor
P.O. Box 806
Sacramento, CA
95812-0806



Pete Wilson
Governor

Peter M. Roone
Secretary for
Environmental
Protection

*** HAZARDOUS WASTE TRANSPORTER REGISTRATION ***

NAME AND ADDRESS OF REGISTERED TRANSPORTER:

Martin Environmental Services
P.O. Box 1128
Canyon Country, California 91351

TRANSPORTER REGISTRATION NO: 0335

EXPIRATION DATE: July 31, 1999

THIS IS TO CERTIFY THAT THE FIRM NAMED ABOVE IS DULY REGISTERED TO TRANSPORT HAZARDOUS WASTE IN THE STATE OF CALIFORNIA IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 6.5, DIVISION 20 OF THE HEALTH AND SAFETY CODE AND DIVISION 4.5, TITLE 22 OF THE CALIFORNIA CODE OF REGULATIONS.

THIS REGISTRATION CERTIFICATE MUST BE CARRIED WITH EACH SHIPMENT OF HAZARDOUS WASTE.

FOR REGISTRATION INFORMATION, PLEASE CONTACT
MS. TARI PATTERSON AT (916) 323-3219.



(AUTHORIZED SIGNATURE)

JUN 24 1998

(DATE)



U.S. Department
of Transportation

Research and
Special Programs
Administration

John A. Volpe
National Transportation
Systems Center

Kendall Square
Cambridge, Massachusetts 02142

Temporary Registration Number: 062999T50017H
Expiration Date: August 13, 1999

JENNIFER COMINO
MARTIN INDUSTRIAL PUMPING SERVICE INC
PO BOX 1128
CANYON COUNTRY, CA 91386-0000

Date: June 29, 1999

Dear JENNIFER COMINO:

This letter confirms that you initiated a Hazardous Materials Registration under expedited procedures and have been assigned the Temporary Registration Number given above. This Temporary Registration Number will expire on August 13, 1999 and may not be used after that date to prove compliance with the registration requirements.

To complete the registration process:

- (A) Check 'Expedited Followup' at the top of the enclosed blank Registration Statement;
- (B) Enter the assigned Temporary Registration Number in the space supplied for the 'Current Registration #';
- (C) Complete all items on the Registration Statement (however, do not resubmit credit card information) and
- (D) Return the completed Registration Statement and a copy of this letter as proof of prior payment to:

U.S. Department of Transportation
Hazardous Materials Registration
55 Broadway
Kendall Square
Cambridge, MA 02142

An informational brochure containing the Registration Statement is enclosed. To complete the registration process before the expiration of the temporary Registration Number, submit the completed Registration Statement no later than 10 days following the receipt of this letter. A Certificate of Registration will be mailed to you after you have submitted a Registration Statement. If you have any questions, please call the Hazardous Materials Registration Support Center at 617-494-2545.

Sincerely,

Mark Plecinoga
Manager, Hazardous Materials
Registration Support Center

Enclosures



STATE OF CALIFORNIA
DEPARTMENT OF CALIFORNIA HIGHWAY PATROL

**HAZARDOUS MATERIALS
TRANSPORTATION LICENSE**

CHP 360H (8-97) OPI 062

LICENSEE NAME AND PHYSICAL ADDRESS (only if different from below)
MARTIN ENVIRONMENTAL SERVICES

20809 PLACERITA CANYON ROAD
NEW HALL

CA 91321

LICENSEE NAME AND MAILING ADDRESS

ATTENTION: TROY SCHUMACKER
MARTIN ENVIRONMENTAL SERVICES

P.O. BOX 1128

CANYON COUNTRY

CA 91351

CONTROL NUMBER	LICENSE NUMBER	ISSUE DATE	EFFECTIVE DATE	EXPIRATION DATE
135732	51873	2/18/99		3/31/00
CHP CARRIER NUMBER	LOCATION			
CA- 772				

☐ Duplicate ☐ Replacement

☐ Initial ☒ Renewal

PROPERTY OF THE CALIFORNIA HIGHWAY PATROL (CHP)

The original valid license must be kept at the licensee's place of business as indicated on the license and a legible copy must be carried in any vehicle or combination transporting hazardous materials and must be presented to any law enforcement officer upon request. This license is NON-TRANSFERABLE and must be surrendered to the CHP upon demand or as required by law. Any change in ownership or control of the licensed activity shall require a new license. This license may be renewed by submitting an application and appropriate fee to the CHP. Persons whose licenses have expired or are otherwise no longer valid must immediately cease the activity requiring a license. THERE IS NO GRACE PERIOD FOR A LICENSED ACTIVITY. For license information contact CHP, Commercial Vehicle Section at (916) 327-3310.

This carrier is on the special routing/slate stopping places mailing lists as indicated below.

- ☐ (RMV) Explosives subject to Division 14, California Vehicle Code (CVC).
- ☐ (MSPH) Poison Inhalation Hazard materials in bulk packaging subject to Division 14.3, CVC.
- ☐ (HRCQ) Highway Route Controlled Quantity radioactive materials subject to 14.5, CVC.

Any person who dumps, spills, or causes the release of hazardous materials or hazardous waste upon any highway shall immediately notify the CHP or the agency having jurisdiction for that highway. The minimum fine for failure to make the appropriate notification is \$ 2,000.00. (CVC Section 2312.5)

**ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY**

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for this installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA ID NUMBER



CA0000628636

NAME AND MAILING ADDRESS



MARTIN INDUSTRIAL PUMPING SERVICE, INC.
P.O. BOX 1128
CANYON COUNTRY, CA. 91351

INSTALLATION ADDRESS




26752 OAK AVENUE
CANYON COUNTRY, CA. 91351

**Forensic Analytical**

San Francisco • Los Angeles • Minneapolis / St. Paul

Dated: May 16, 1999
Prepared and Submitted by:
FORENSIC ANALYTICAL


Stephen B. Long
Certified Asbestos Consultant #92-0580


David Kahane
Certified Industrial Hygienist #5549

**BROWN AND ROOT SERVICES CORPORATION
POST OFFICE BOX 725
MARINA, CALIFORNIA 93933**

**ASBESTOS AND LEAD HAZARD ABATEMENT PLAN
ASBESTOS-CONTAINING ROOFING MATERIALS
DELIVERY ORDER # 3509**

SUBJECT: ADMINISTRATION CENTER BUILDING – USARC, LONG BEACH, CA
GENERAL

In accordance with this work plan, drawings, and Prime Contractor's instructions, Subcontractor shall furnish all labor, transportation, materials, supervision, equipment, insurance, taxes, overhead, and all other items of expense or services necessary to remove and dispose of asbestos containing gray roof sealant/mastic located in various areas of each roof and penetration mastic located around vents, flues and other openings, and to remove and recycle lead flashings after cleaning asbestos containing mastic.

For the purposes of this work plan asbestos containing or contaminated roofing materials, asbestos-cement pipe material, and will be removed, packaged and disposed of as non-hazard asbestos containing material. Window glazing putty debris will be removed and disposed of as friable hazardous asbestos waste. Any lead flashings present will be cleaned of asbestos and recycled.

Subcontractor shall make all required notifications to the appropriate Government Regulatory Agencies prior to beginning work. Prior to commencing work the Subcontractor shall supply Brown & Root project management with a copy of the Temporary Work Site Notification for Asbestos-Related Work issued to California Division of Occupational Safety and Health (Cal-OSHA).

Three working days prior to commencing work the Subcontractor shall submit to Brown & Root project management the names and qualifications of each party responsible for transporting, storing, treating and disposing of asbestos-containing wastes. Include the facility location and a twenty four-hour point of contact.

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

1.0(A) DESCRIPTION OF WORK

The intent of this Work Plan is to remove and dispose of non-friable gray roof sealant/mastic located in various areas on the roofs and penetration mastic around vents, flues and other openings, window glazing putty debris, and one 8-inch asbestos-cement pipe as non-hazardous asbestos-containing materials, and to remove, clean and recycle any lead flashings.

1. Work shall be coordinated with the Prime Contractor (Brown & Root) and performed in such a manner as to not interfere with co-existing activities. **Subcontractor shall coordinate shut-offs of electrical service to the building to allow for safe removal of asbestos-containing mastic from around electrical service entry points on the roof, while minimizing interference with building operations.** Interior building areas will not be utilized by the subcontractor for waste or equipment storage without Brown & Root approval.
2. Bagged ACM debris will be removed from the regulated areas daily and stored in portable locked and posted containers or appropriately marked vehicles. Coordinate container or vehicle locations with the Prime Contractor. Bags or drums containing non-hazardous ACM debris will be labeled in a manner consistent with applicable regulations, including EPA, Cal-OSHA, and Department of Transportation (DOT).

1.0(B) METHOD OF REMOVAL

1. At this time the project is designated as Class II Asbestos Work even though the roofing industry has gained certain concessions from the Occupational Safety and Health Administration (OSHA) in regards to removal of asbestos containing roofing materials.
2. Flues, windows, chimney openings, vents or other openings to the building will be isolated with polyethylene sheeting or plywood to prevent asbestos fibers or debris from entering the building.
3. The Subcontractor shall isolate the work area and establish a regulated area in accordance with the methods required in 29 CFR 1926.1101. To the extent feasible, the Subcontractor shall isolate the area below the removal operations. This shall be accomplished by verbal notification and by the use of barriers and warning signs.
4. The asbestos-containing roofing materials shall be removed wet (and kept wet) during all phases of the removal and disposal process. However, the subcontractor must be careful to control the amount of water used to prevent any

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

leaks to the interior of the building.

5. The Subcontractor will utilize personal protective equipment as specified for Class II work in 29 CFR 1926.1101, throughout the removal work until such a time that a negative exposure assessment (NEA) can be obtained. Once the NEA has been obtained, the workers have the option to continue with personal protective equipment. However, it is recommended that respirators and personal protective clothing be worn when disturbing any asbestos containing material.
6. Decontamination facilities will consist of a plastic step-off pad and a HEPA vacuum to remove gross debris from protective clothing. Water must also be available for the workers to wash with. A remote shower will be installed for those workers who wish to use it.
7. The Subcontractor shall remove asbestos-containing roof mastic materials with hand tools or chemicals. The use of heat or powered cutting tools will only be allowed upon written permission from Brown & Root project management. Sheet metal flashings around roof penetrations will not be salvaged. Where asbestos-containing mastic cannot be completely removed from substrates to remain, such as wall materials and metal flashings at walls, as much mastic shall be removed as is feasible without damaging the substrate, including all loose material or material overhanging edges of the substrate. The 8-inch asbestos-cement pipe scheduled for removal shall be wetted, double-wrapped with 6 mil polyethylene sheeting sealed airtight and removed from the building intact. Window glazing putty debris present on the roof beneath windows shall be removed using a HEPA vacuum.
8. Lead flashings will be cleaned of asbestos containing mastic, placed in a closed steel drum and transported to a lead recycling facility. **If cleaning of lead flashing results in small pieces of lead contaminated with asbestos separating from the flashing, this debris shall be cleaned up using a HEPA vacuum designated for combined asbestos and lead-containing waste.**
9. Asbestos-containing waste shall be doubled-bagged and carefully lowered to the ground in appropriately labeled waste disposal bags. **Asbestos-containing waste bags must be brought immediately to the dumpster or enclosed vehicle. Waste will not be allowed to accumulate on the ground. If cleaning of lead flashing results in small pieces of lead contaminated with asbestos separating from the flashing, this debris shall be cleaned up using a HEPA vacuum designated for combined asbestos and lead-containing waste.**
10. **AT NO TIME DURING THE PROCESS SHOULD "VISIBLE EMISSIONS" BE OBSERVED FROM THE REMOVAL OPERATIONS.**

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

11. After removal has been completed, the work area(s) will be subjected to a visual inspection by the Prime Contractor or their on-site representative. Should the visual inspection find that residual asbestos-containing materials remains or lead flashing material remains, the Subcontractor shall take appropriate actions to reclean the inspected area and the Prime Contractor or their on site representative will repeat the inspection at the Subcontractor's expense.
12. Demobilization operations shall commence upon completion of the final acceptable visual inspection.

1.0(C) AIR MONITORING

1. The prime contractor or their on-site representative will conduct the initial exposure assessment to determine the exposure of airborne asbestos fibers to the workers. If the negative exposure assessment is obtained then the Subcontractor need not continue with personal air monitoring pursuant to OSHA regulations. However, the same engineering controls and classification of workers used to obtain the negative exposure assessment must continue to be used throughout the project. All air samples will be analyzed by Phase Contrast Microscopy (PCM) Method 7400.

As stated previously, at no time during the abatement process should visible emissions from the removal operations be observed. Either the prime contractor or their on-site representative shall be conducting on-going visual observations of the work area. If at any time visible emissions are observed to be coming from the removal area, work shall stop and more stringent engineering controls shall be implemented.

3. Approximately six (6) personal air samples will be collected throughout this project and analyzed as per Section 1.0(C) 1.

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

1.0(D) FIRE AND MEDICAL EMERGENCY PROCEDURES

1. A list of emergency contact telephone numbers shall be posted at the site. The list shall include numbers of the local hospital, emergency squad, police and fire departments, government and subcontractor representatives who can be reached twenty four (24) hours per day and professional consultants directly involved in the project.

1.0(E) SUBMITTALS

The United States Army Corp. of Engineers (USACE) requires a series of submittals for this project. Pre-construction submittals shall be submitted to Brown and Root's asbestos consultant for the project three working days prior to the start of the project. The submittals shall be placed in a hard binder with individual sections tabbed as per USACE requirements. The tab number can be found in (parenthesis) in the following section.

1. Materials and equipment (1.4.1): Manufacturers catalog data for all materials and equipment to be used in the work. Data shall include, but shall not be limited to the following (for equipment used on this project):

- Vacuum cleaning equipment
- Air monitoring equipment
- Respirators
- Personal protective clothing and equipment
- Duct tape
- Sheet plastic
- Wetting agent
- Prefabricated decontamination unit (if applicable)
- MSDS sheets for all chemicals proposed
- Chemical encapsulant
- Rotameter and calibration curve

2. A drawing (1.4.2) of the work area(s) indicating the following:

- Worksite locations
- Decontamination and waste/equipment load out units
- Temporary waste storage facility (if applicable)
- Access tunnels (if applicable)
- Location of temporary utilities (if applicable)
- Boundaries of each asbestos regulated work area

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

3. Qualifications (1.4.3.1): The subcontractor shall submit a written qualifications and organization report (including resume) providing the following:

Designated Competent Person;

On-Site Project Manager

Project Supervisor(s)

Physician who performed the medical evaluations

First Aid and CPR trained personnel

Independent Testing Laboratory for personal air samples

Disposal facility and transporter

Lead recycling facility and transporter

4. Training Material (1.4.3.2): A copy of the written project on-site specific training material as indicated in 29 CFR 1926.1101 that will be used to train all on-site employees.
5. Worker Documentation (1.4.3.3): Medical examinations, respirator fit tests and employee training.
6. Encapsulants (1.4.3.4): Certificate stating that encapsulants meet the applicable specified performance requirements.
7. Exposure Assessments (1.4.4.1): The subcontractor shall provide objective data demonstrating that during similar projects, workers were not exposed to levels above the Permissible Exposure Limits. Where the subcontractor has monitored similar asbestos abatement projects within the past twelve months, data submitted must have been conducted under workplace conditions "closely resembling" the processes, type of material, control methods, work practices and experience of asbestos workers.
8. Licenses, Permits and Notification (1.4.4.3): The following shall be included :

The Temporary Work Site Notification for asbestos-related work issued to California Division of Occupational Safety and Health (Cal-OSHA).

A copy of the written notification provided to any rental company concerning the intended use of rental equipment and the possibility of asbestos contamination. A copy of the rental company's written acknowledgement and agreement shall be included.

Brown & Root Services Corporation
US Army Reserve Center, Long Beach, CA
Asbestos Hazard Abatement Plan

9. SD-13 Certificates (1.4.5): Manufacturers certifications showing compliance with ANSI Z9.2 for vacuums, water filtration equipment, ventilation equipment and other equipment required to contain airborne asbestos fibers.
10. Company Respirator Program (1.4.6.1)
11. Manifests for transportation of asbestos waste and lead for recycling shall be submitted as soon as possible following the project, and shall evidence receipt of the materials at the final destination facility.

1.0(F) LIMITATIONS

1. This hazard abatement plan has been written specifically for the use by Brown & Root Services Corporation or their appointed subcontractor(s).
2. Forensic Analytical will not be held responsible for any aspect of this hazard abatement plan in which Forensic Analytical personnel are not serving in project oversight or management role.

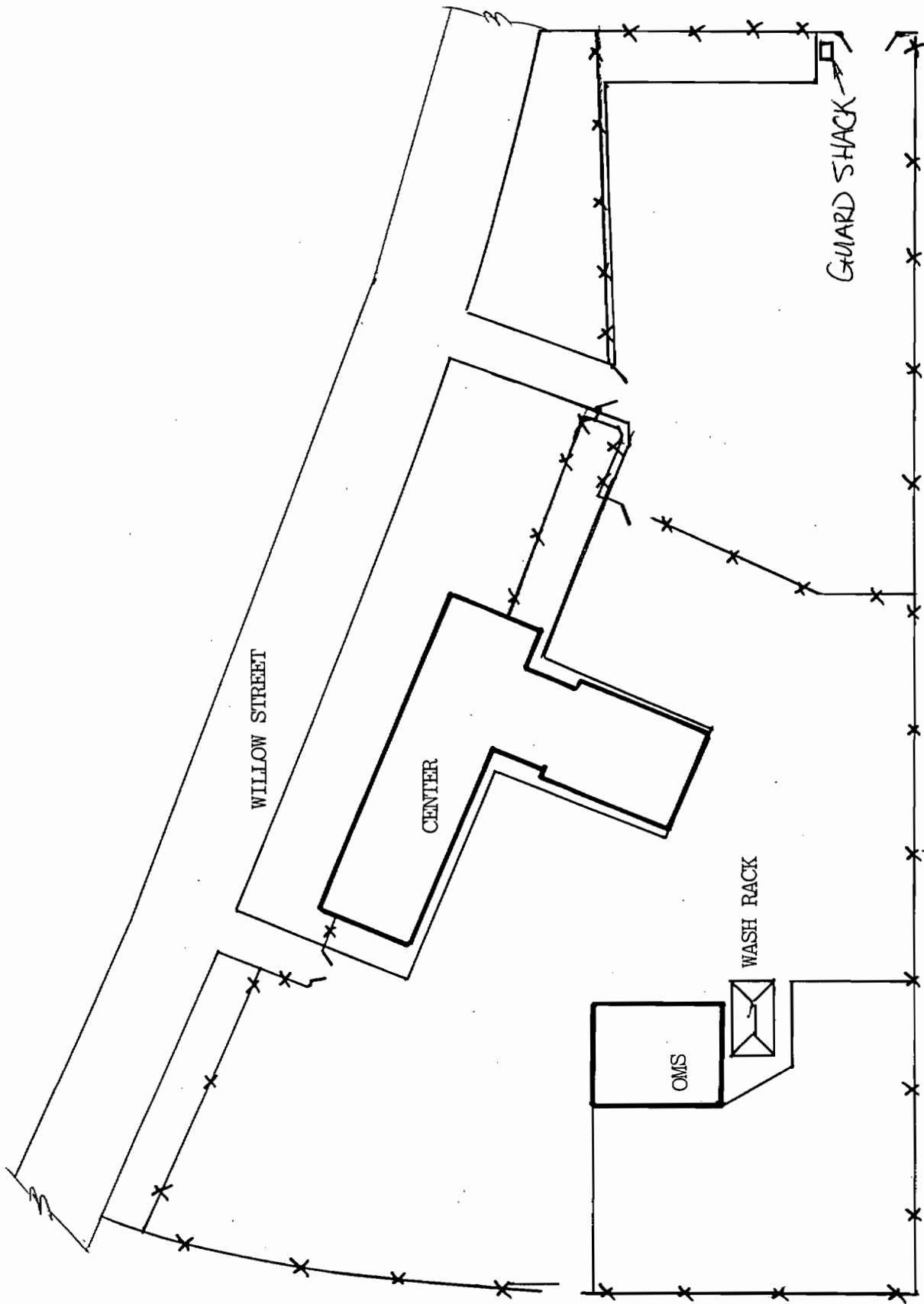
END

UPPER SECTION TO BE FILLED IN BY REQUESTOR											
WORK ORDER #	PJ09991-7J	FAC ID:	CA022	BLDG. NO'S							
SHORT JOB DESCRIPTION	PROVIDE ASBESTOS SURVEY AND WRITTEN REPORT FOR (1) WOOD FRAME GUN AND SHACK LOCATED AT EAST GATE TO COMPLEX. SUGGESTED SOURCE: HANDLING LAWSON ASSOCIATES										
INSTALLATION:	SCHWEDER HALL USARC			REQUEST DATE:	97	05	01	Yr	Mo	Da	
DESCRIPTION OF WORK:	PROVIDE ASBESTOS SURVEY AND WRITTEN REPORT FOR (1) WOOD FRAME GUN AND SHACK LOCATED AT EAST GATE TO COMPLEX. SUGGESTED SOURCE: HANDLING LAWSON ASSOCIATES										
JUSTIFICATION:	REQUIRED BEFORE ABANDONMENT & DEMO										
REQUESTOR:	K. SWENSON			(Print Name)	SIGNATURE:		K. Swenson 5/1/97				
TELEPHONE:	(562) 795-1449			SF 44 or Credit Card	Approval No:		Approval Date:		Yr	Mo	Da
TO BE FILLED IN BY RSC ENGINEER OFFICE											
CWE:	K	\$	Funded	Approval Authority:		Approval					
	L	\$	Unfunded	Approval Date		Disapproval					
				Yr		Mo		Da		Cancel	
WORK TO BE PERFORMED:											
Self Help Contract											
SF44 Credit Card											
Design Approval:											
Date											
Yr											
Mo											
Da											
Remarks: ADO # 63D 98-013											
SF 44 Credit Card											
Approval Date: 9 / /											
Completion Date: 9 / /											
Authorization #											
Purchase Amount \$											

ENGINEER OFFICE: (310) 795-2058 FAX (310) 795-2861

RSC Form 001-R, 1 Oct 95 (TEST)

NOTE: The project was cancelled because the Guard Shack building was demolished prior to conducting an asbestos/LBP survey, which is a violation of law. SKyanala



LONG BEACH USARC

3800 E. WILLOW ST.
LONG BEACH, CA.



SCALE 1" = 80'

APPENDIX B
PAGE 2

ENCLOSURE-1

COST ESTIMATE FOR ASBESTOS SURVEY

Subject: Asbestos Survey at the U.S. Army Reserve Centers under the 63D Regional Support Command, Los Alamitos, California

General Description:

The U.S. Army 63D Regional Support Command (RSC) would like to have a cost estimate to perform asbestos testing at the following U.S. Army Reserve (USAR) Centers:

1. Schroeder Hall USAR Center, Long Beach, CA
2. Garden Grove USAR Center, Garden Grove, CA

1. Shroeder Hall USAR Center: Asbestos survey needs to be performed for a wood framed building with a concrete floor which is approximately 80 sq. ft. in area, located at the East Gate to the Reserve Center. The building is in a dilapidated condition and a demolition project has been initiated. The construction date of the building is unknown. Attached is a map indicating the location of the building, as Enclosure-1.

2. Garden Grove USAR Center: Asbestos survey needs to be performed for a butler type building which is approximately 1000 sq. ft. in area and needs to be demolished. Attached is a map indicating the location of the building, as Enclosure-2. The metal frame of the building alone exists with no walls. The floor tile still exists which needs to be tested for asbestos.

Scope of Work:

Conduct a **complete survey** to identify ACM present at various locations within each building. ACM shall be defined as indicated by federal and state regulations. The survey shall be completed in accordance with current AHERA standards. As the buildings will undergo demolition, sampling procedures to be conducted in a pre-demolition survey manner in order to fully assess the building material contents.

Survey shall be conducted on all parts of the building. The primary materials to be sampled include floor/ceiling coverings and mastics, wall board, joint compound, and accessible pipe insulation, if any.

Collect bulk samples of any suspect materials and use an accredited laboratory to test the samples. Bulk samples to be tested by Polarized Light Microscopy (PLM) and will be analyzed in compliance with all current EPA and NIOSH regulations. Indicate the sample locations on the floor plan of the building. If the initial testing of a homogenous area is positive for asbestos identification, for example - plaster or vinyl flooring, other plaster or flooring which is of the same appearance in that building or in a similar building may be assumed to be the same as the initial sample.

Five percent of the total number of samples shall be tested by a second laboratory facility for Quality Assurance.

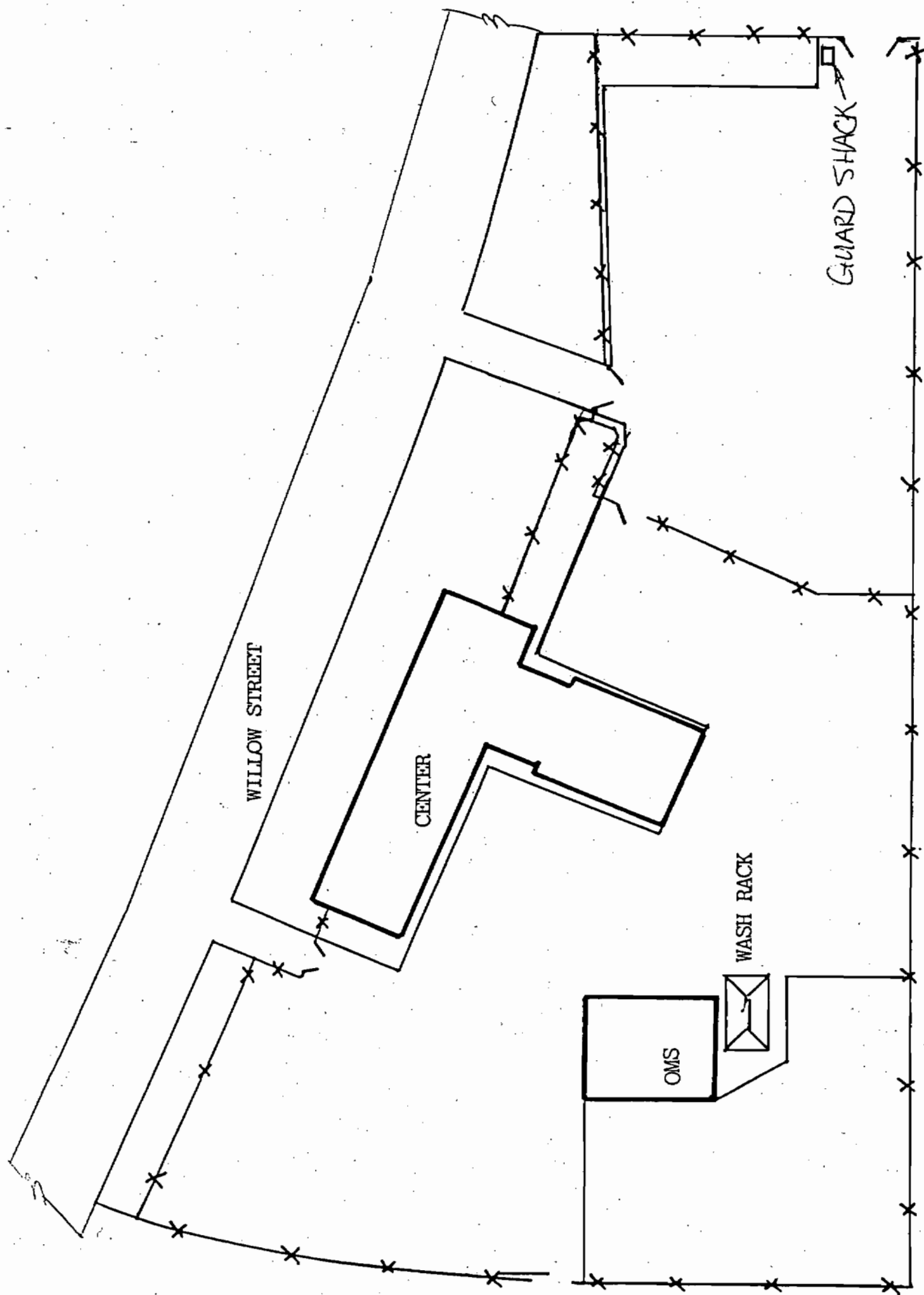
Prepare a final report (one for each Reserve Center) with findings and conclusions. The report to include the following:

- (1) Attach copies of the analytical test results to the report. Indicate areas where asbestos was found.
- (2) Locations tested where no asbestos was confirmed.
- (3) If any ACM is present, provide pertinent information for cost estimate of demolition activities and recommendations for abatement. The cost estimate to be determined for the building and shall include removal and disposal. Also provide unit price elements for removal and disposal.

One (1) copy of a Draft report will be initially prepared and submitted to the 63D RSC for review. After the 63D RSC has concurred that all necessary corrections have been made, two (2) copies of the Final Report shall be provided.

Following the notice-to proceed, the project to be completed in 15 working days which includes all survey, analytical services, and delivery of the Draft report.

If you need any additional information,, please contact Ms. Shyamala Sundaram at Phone: (310) 795-1445 or Ms. Diane Clark at Phone: (310) 795-1444, Fax: (310) 795-1499.



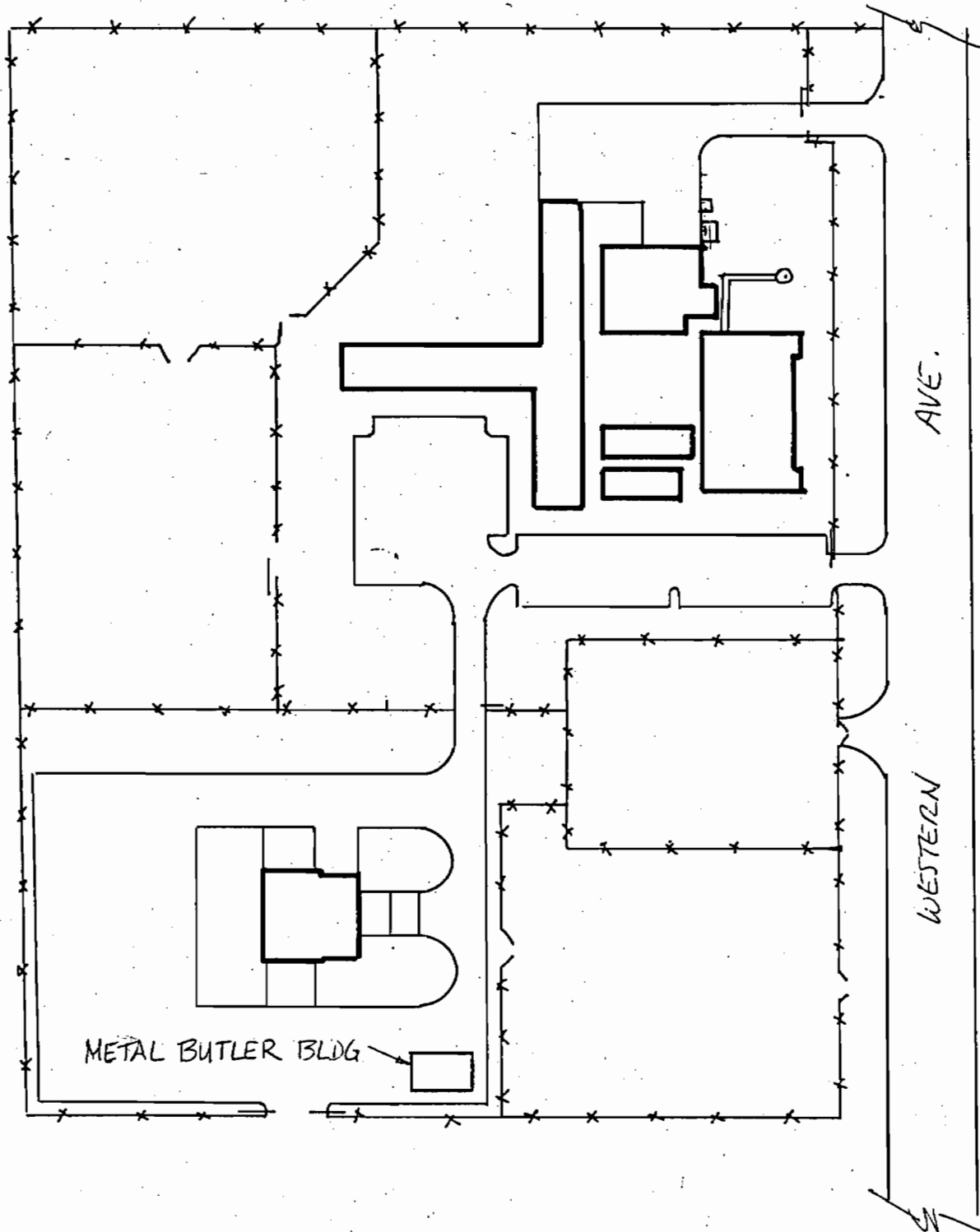
LONG BEACH USARC

3800 E. WILLOW ST.
LONG BEACH, CA.

SCALE 1" = 80'



ENCLOSURE-1



ENCLOSURE - 2

GARDEN GROVE USARC
11751 WESTERN AVE.
GARDEN GROVE, CA.

SCALE: 1" = 120'